



Our company is organised and committed to seek continuous improvements at every level.

Innovation and our ability to support our customers with dedicated solutions allow us to be the ideal partner for companies looking for high levels of quality and service.

Our technical catalogues illustrate the standard range of products manufactured. In addition our product portfolio also includes a wide and diverse range of custom products designed to satisfy the specific technical requirements of our customers. This characteristic is demonstrated by our focus on the products technical development, by the use of innovative injection moulding techniques and materials and in the design of the products dedicated electrical features.

Our commitment to innovation in terms of organisation, the traceability of all of the various processes together with our ability and desire to constantly support our customers from the products conception and throughout its complete lifetime allows our company to cooperate Internationally with market leading organization in the following market sectors:

- AGRICULTURE ● FORESTRY ● FARMING
- AIR ● WATER ● FLUID ● STEAM ● GAS
- AUTOMOTIVE
- CONSTRUCTION ● EARTHMOVING
- ENERGY ● PETROCHEMICAL
- FOOD ● BEVERAGE ● VENDING
- INDUSTRIAL AUTOMATION ● ROBOTICS
- MARINE ● PORTS
- MINING ● QUARRYING ● CEMENT MIXING
- PACKAGING ● BOTTLING
- POWER TRANSMISSION ● HYDRAULICS ● PNEUMATICS
- TRANSPORT ● SERVICES
- TRANSFER MACHINES ● ASSEMBLY

Reference rules:

|                 |  |
|-----------------|--|
| IEC 60335-1     | Household and similar electrical appliances - Safety   |
| IEC 60730-1     | Automatic electrical controls for household and similar use  |
| IEC 60204-1     | Safety of machinery<br>Electrical equipment of machines  |
| 2014/35/UE      | Low voltage Directive  |
| 2011/65/UE      | Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipments (RoHS) |
| EC N° 1907/2006 | Regulation concerning the registration, evaluation, authorization and restriction of chemicals (REACH)                 |

The drawings and the technical data reported on the data sheets have been checked and are believed to be correct. However no liability is accepted therefore.

We always recommend to contact our technical department for the most significant values. The company reserves the right to modify what is reported on specifications and drawings without notice due to technical or commercial reasons.

With reference to CE marking, it should be noted that electronic components such as coils are not subject to any form of marking and therefore must not be marked with a CE mark. This is confirmed within the conditions of the European Commission for Low Voltage and EMC guidelines.

Our coils are developed and designed for the use in the field of equipment, control and electrical appliances. They can also be used in other applications under the responsibility of the user.





**Atam Group. Innovation and technology.**

Since 1992 Atam Group produces components for the automatic regulation and, more in general, for the wide market of industrial automation and engineering oil hydraulic. The group was born with the common intention to diversify strategies and researches with the purpose of completely satisfy the customer. The continuous technological evolution, oriented to anticipate the market demands and the competition, allows Atam Group to be an active and trusted partner in order to grant the maximum performances of each product.



1

Encapsulated coils  
Electromagnets  
Electrical windings



2

Operators





3

Operators for solenoid valves



4

Connecting devices for actuators and sensors



5

Proximity switches for magnetic cylinders  
Pressure switches



## Glossary

**Ampère (A):** International unit of measurement of the intensity of electric current.

**Alternate current (AC):** Electrical current flow, variable in time, both as intensity that direction. Reaches a maximum positive value and a maximum negative value passing from zero.

**Direct current (DC):** Flow of electrical current, constant in time, both in intensity as that direction.

**Ground connection (PE):** Point of connection of the electric masses intended to be connected physically to the earth. The correct operation avoids the risk of electric shock.

**Diode** Non-linear passive electronic component, whose function is to allow the passage of current flow in one direction only and lock it in the opposite direction.

**Ohm ( $\Omega$ ):** International unit of electrical resistance.

**Current rectifier:** It is a device consisting of diodes, capable of converting an AC voltage into a DC voltage.

**Electrical resistance:** Capacity of a conductor to oppose the passage of electric current generating heat.

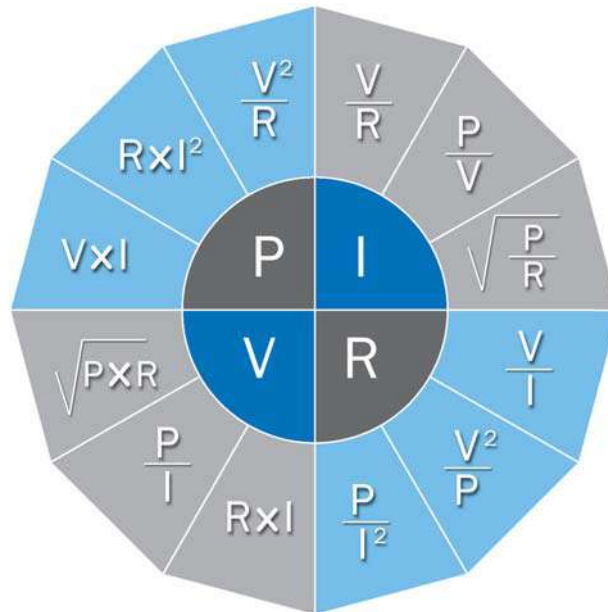
**Transil (TVS = Trans Voltage Suppressor):** Electrical component belonging to the category of non-linear transient suppressors. Has a behavior similar to a Zener diode, but unlike the latter, serves to protect electronic circuits against overvoltage spikes fast and destructive.

**Varistor (VDR = Voltage Dependent resistor):** Non-linear electronic component used to protect electronic circuitry from overvoltage spikes fast and destructive. Its behavior can be compared to a resistor (non-linear) that if it is exceeded the voltage for which it is designed, rapidly lowers its internal resistance so that the spike is strongly attenuated.

**Volt (V):** International unit of electric potential, and also of the potential difference between two points of a conductor or an electric component.

**Watt (W):** International unit of power.

## OHM law and power calculation



V : Voltage Volt (V)  
R : Resistance Ohm ( $\Omega$ )  
I : Current intensity Ampere (A)  
P : Power Watt (W)

## Technical information and references

The connection systems for actuators and sensors must be constructed in accordance with the standard norms:

EN 175301-803: 2000  
EN 61076-2-101: 2003

find their application in low voltage equipment where the reference standard is EN 60730-1 with which the above rules do share some aspects.

As regards the parameters that regulate the insulation coordination of the reference standard is the EN 60664-1.

In matter some definitions here are explained below in briefly:

### Rated voltage, Rated current

Are values assigned to a device by the manufacturer and to which to operation

### Overvoltage category (EN 60664-1)

A numerical characterizing a transient overvoltage condition:

**Category I** Equipment for connection to circuits in which measures are taken to limit the overvoltages to an appropriately low level.

Example, electronic circuits, logical and very low voltage

**Category II** Is an energy consuming equipment to be supplied from the fixed installation. Example, control devices for electrical appliances

**Category III** Equipment in fixed installation, and for cases where the reliability and the availability of the equipment is subject to special requirements.

Example, components that integrate systems of suppression of transient voltages constituting part of wiring intended to be incorporated in equipment intended for permanent connection.

**Category IV** Equipment for use at the origin of the installation.

### Creepage distances and clearance.

The control devices for low voltage must be constructed in such a way that the distances in the air, the surface and through the solid insulation are capable of withstanding the power that can be provided.

## Category of materials (EN 60730-1)

The insulating material used is classified into groups according to comparative index of resistance to tracking index (PTI = Proof Tracking Index)

### Material group I

PTI  $\leq$  600

### Material group II

400  $\leq$  PTI  $<$  600

### Material group IIIa

PTI  $\leq$  175  $<$  400

### Material group IIIb

100  $\leq$  PTI  $<$  175

This index will determine the minimum creepage distances for the 'basic insulation according to the nominal voltage of the device, and the degree of pollution expected.

## Pollution degrees of isolation (EN 60730-1)

The environmental conditions in which the device is to operate must be taken into consideration in order to determine the suitability of the device, to operate properly in such situations. The environmental conditions of pollution are classified in degrees:

### Pollution degree 1

No pollution or only dry pollution, non-conductive. The pollution has no effect

### Pollution degree 2

Presence of only non-conductive pollution, but which can occasionally become conductive due to condensation planned

### Pollution degree 3

Presence of conductive pollution or dry nonconductive pollution that becomes conductive due to condensation planned

### Pollution degree 4

The pollution generates persistent conductivity caused by conductive dust, rain or snow.

## Norms and test conditions

| STANDARD              | CHARACTERISTICS       | REMARKS  |
|-----------------------|-----------------------|--|
| EN 60529              | Shell protection      | Further informations on page 7                                       |
| EN 60512-5 (Test 9a)  | Mechanical operation  | Test is performed without electrical load                            |
| EN 60664-1            | Rated voltage         | Further informations on page 5                                       |
| EN 60664-1            | Rated current         | Further informations on page 5                                       |
| EN 60664-1            | Overvoltage category  | Further informations on page 5                                       |
| EN 60664-1            | Pollution degree      | Further informations on page 5                                       |
| EN 60730-1            | Material groups       | Further informations on page 5                                       |
| IEC 60512-2 (Test 2b) | Contact resistance    | Resistance between contact pin and contact socket in mated condition |
| IEC 60512-2 (Test 3a) | Insulation resistance | Insulation between two conductive parts (dependent on material)      |

Our production processes and our products are designed and developed to satisfy the recognized international standards.

We also have the technical and production capability to study solutions to other recognized international standards in order to provide products in accordance with our customers specific requirements.

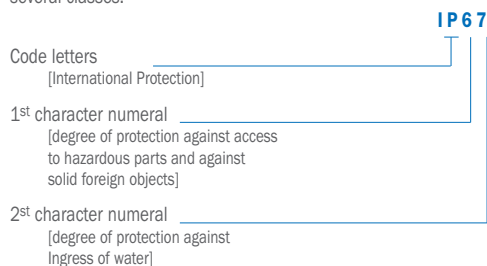


## Degree of protection (IP-Code)

Connectors have to be protected for safety reasons from outside influences like dust, foreign objects, direct contact, moisture and water.

This protection is provided on industrial connectors by its housing with their latching devices and sealed cable entries. The degree of protection can be selected depending on the type of intended use.

The standard IEC EN60529 has specified the degree of protection and divided into several classes.



### DEGREES OF PROTECTION against ACCESS to hazardous parts indicated by the first characteristic numeral

| FIRST characteristic numeral | DEGREE OF PROTECTION  |  |
|------------------------------|---|--|
|                              | Brief Description   | Definition   |
| <b>0</b>                     | Non-protected   |  |
| <b>1</b>                     | Protected against access to hazardous parts with the back of a hand | The access probe sphere of 50 mm Ø shall have adequate clearance from hazardous parts              |
| <b>2</b>                     | Protected against access to hazardous parts with with a finger      | The jointed test finger of 12 mm Ø 80 mm length shall have adequate clearance from hazardous parts |
| <b>3</b>                     | Protected against access to hazardous parts with a tool             | The access probe of 2,5 mm Ø shall not penetrate   |
| <b>4</b>                     | Protected against access to hazardous parts with a wire             | The access probe of 1,0 mm Ø shall not penetrate   |
| <b>5</b>                     | Protected against access to hazardous parts with a wire             | The access probe of 1,0 mm Ø shall not penetrate   |
| <b>6</b>                     | Protected against access to hazardous parts with a wire             | The access probe of 1,0 mm Ø shall not penetrate   |

### DEGREES OF PROTECTION against WATER indicated by the second characteristic numeral

| SECOND characteristic numeral           | DEGREE OF PROTECTION  |   |
|---|---|---|
|   | Brief Description   | Definition  |
| <b>0</b>                                | Non-protected   |   |
| <b>1</b>                                | Protected against vertically falling water drops                          | Vertically falling drops shall have no harmful effects  |
| <b>2</b>                                | Protected against vertically falling water drops when up to 15°           | Vertically falling drops shall have no harmful effects when the enclosure is tilted at any angle up to 15° on either side of the vertical   |
| <b>3</b>                                | Protected against spraying water  | Water sprayed at an angle up to 60° on either side of the vertical shall have no harmful effects  |
| <b>4</b>                                | Protected against splashing water   | Water splashed against the enclosure from any direction shall have no harmful effects   |
| <b>5</b>                                | Protected against water jets  | Water projected in powerful jets against the enclosure from any direction shall have no harmful effects   |
| <b>6</b>                                | Protected against powerful water jets                                     | Water projected in powerful jets against the enclosure from any direction shall have no harmful effects   |
| <b>7</b>                                | Protected against immersion in water                                      | Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is temporarily immersed in water under standardized conditions of pressure and time   |
| <b>8</b>                                | Protected against the effects of continuous immersion in water            | Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is continuously immersed in water under conditions which shall be agreed between manufacturer and user but which are more severe then for numeral 7 |
| <b>IP69K in according to DIN40050-9</b> | Protected against the effects due to cleaning with hot water pressure jet | The water jet sprayed against the enclosure, in the conditions of pressure and temperature standardized, have no harmful effects  |














### DEGREES OF PROTECTION against SOLID foreign objects indicated by the first characteristic numeral

| FIRST characteristic numeral | DEGREE OF PROTECTION   |  |
|------------------------------|--|--|
|                              | Brief Description  | Definition   |
| <b>0</b>                     | Non-protected  |  |
| <b>1</b>                     | Protected against solid foreign objects of ≥ 50 mm Ø and greater   | To object probe sphere of 50 mm Ø shall not fully penetrate  |
| <b>2</b>                     | Protected against solid foreign objects of ≥ 12,5 mm Ø and greater | To object probe sphere of 12,5 mm Ø shall not fully penetrate  |
| <b>3</b>                     | Protected against solid foreign objects of ≥ 2,5 mm Ø and greater  | To object probe sphere of 2,5 mm Ø shall not fully penetrate   |
| <b>4</b>                     | Protected against solid foreign objects of ≥ 1,0 mm Ø and greater  | To object probe sphere of 1,0 mm Ø shall not fully penetrate   |
| <b>5</b>                     | Dust-protected   | Ingress of dust is not totally prevented, but dust shall not penetrate in a quantity to interfere with satisfactory operation of the apparatus or to impair safety |
| <b>6</b>                     | Dust-tight   | No ingress of dust   |



# Valve Connectors EN 175301-803

SELF - ASSEMBLY CABLE

| DESCRIPTION   | PAG   |
|---|---|
| <b>SERIES: KA</b>    | FEMALE CONNECTORS<br>FORM A (contact spacing 18mm)<br>STANDARD (black - grey) ..... 10                |
| <b>SERIES: KA</b>    | FEMALE CONNECTORS<br>FORM A (contact spacing 18mm)<br>WITH CIRCUITS (transparent) ..... 16            |
| <b>SERIES: KA</b>    | FEMALE CONNECTORS<br>FORM A (contact spacing 18mm)<br>WITH CIRCUITS (black - grey)..... 24            |
| <b>SERIES: KA</b>    | FEMALE CONNECTORS<br>FORM A (contact spacing 18mm)<br>STANDARD (black) ..... 35                       |
| <b>SERIES: KB</b>   | FEMALE CONNECTORS<br>FORM B industrial (contact spacing 11mm)<br>STANDARD (black - grey) ..... 36     |
| <b>SERIES: KB</b>  | FEMALE CONNECTORS<br>FORM B industrial (contact spacing 11mm)<br>WITH CIRCUITS (transparent)..... 38  |
| <b>SERIES: KC</b>  | FEMALE CONNECTORS<br>FORM C (contact spacing 8mm)<br>STANDARD (black) ..... 42                        |
| <b>SERIES: KC</b>  | FEMALE CONNECTORS<br>FORM C (contact spacing 8mm)<br>WITH CIRCUITS (transparent)..... 43              |
| <b>SERIES: KD</b>  | FEMALE CONNECTORS<br>FORM C industrial (contact spacing 9,4mm)<br>STANDARD (black) ..... 46           |
| <b>SERIES: KD</b>  | FEMALE CONNECTORS<br>FORM C industrial (contact spacing 9,4mm)<br>WITH CIRCUITS (transparent)..... 47 |
| <b>SERIES: BA</b>  | MALE BASES<br>FORM A (contact spacing 18mm)<br>STANDARD (black) ..... 50                              |
| <b>SERIES: BB</b>  | MALE BASES<br>FORM B industrial (contact spacing 11mm)<br>STANDARD (black) ..... 52                   |
| <b>SERIES: BD</b>  | MALE BASES<br>FORM C industrial (contact spacing 9,4mm)<br>STANDARD (black) ..... 53                  |

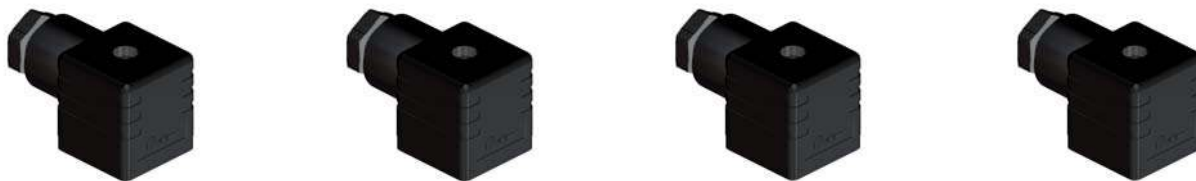


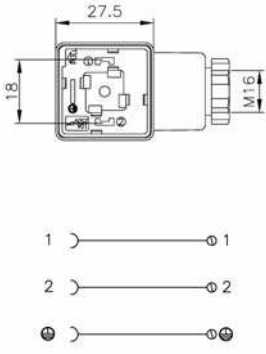
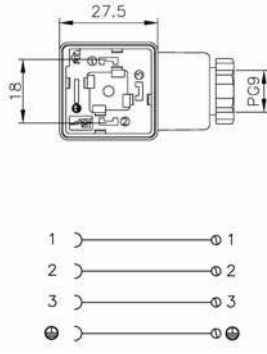
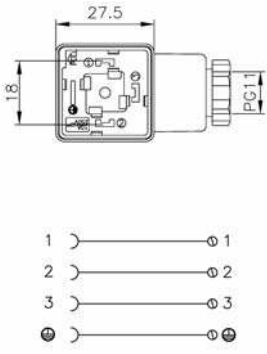
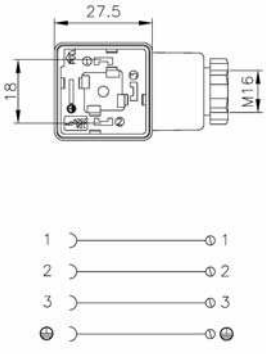
| Product description                        |                     | EN175301-803  | EN175301-803  |
|--|---------------------|---|---|
| Standard                                   |                     | EN175301-803  | EN175301-803  |
| Construction type                          |                     | A   | A   |
| Description                                |                     | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12                             | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12                             |
| Housing colour                             |                     | black   | black   |
| Number of contacts                         |                     | 2+PE  | 2+PE  |
| Order no.                                  |                     | <b>KA132000B9</b>   | <b>KA132000B1</b>   |
| Other options on request                   | grey housing        | order no. <b>KA132000A9</b>   | order no. <b>KA132000A1</b>   |
| Cable gland                                |                     | PG9   | PG11  |
| Max. conductor size                        |                     | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  |
| <b>Drawing</b>                             |                     |   |   |
| <b>Technical data</b>                      |                     |   |   |
| Pin dimension                              |                     | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Rated voltage max.                         |                     | 250 V AC/DC   | 250 V AC/DC   |
| Rated current max. (EN 60512-5-2 test 5b)  |                     | 10 A  | 10 A  |
| Contact resistance                         |                     | 15mΩ max.   | 15mΩ max.   |
| Overtoltage category                       |                     | III   | III   |
| Type of termination                        |                     | screw M3  | screw M3  |
| Contact screw torque                       |                     | max. 0,5 N/m  | max. 0,5 N/m  |
| Suitable cables                            |                     | 5 mm to 7 mm diameter   | 6 mm to 9 mm diameter   |
| Mounting                                   |                     | central screw M3x32,5   | central screw M3x32,5   |
| <b>Material</b>                            |                     |   |   |
| Contact holder material                    |                     | PA6 GF  | PA6 GF  |
| Housing material                           |                     | PA6 GF  | PA6 GF  |
| <b>Environmental conditions</b>            |                     |   |   |
| Protection class (EN 60529)                |                     | IP 65 when correctly assembled  | IP 65 when correctly assembled  |
| Pollution severity (EN 60664-1)            |                     | 3   | 3   |
| Temperature range                          |                     | -40°C to + 100°C  | -40°C to + 100°C  |
|  | with silicon gasket | -40°C to + 125°C  | -40°C to + 125°C  |
| <b>Inflammability class</b>                |                     |   |   |
| Contact holder                             |                     | HB - UL 94  | HB - UL 94  |
| Housing                                    |                     | HB - UL 94  | HB - UL 94  |
| Approvals                                  |                     | VDE   | VDE   |
| <b>Packaging</b>                           |                     |   |   |
| Packaging unit / Weight approx.            |                     | 500 pieces / 14,5Kg   | 500 pieces / 14,5Kg   |
| Box dimensions                             |                     | 80 x 30 x 22 cm   | 80 x 30 x 22 cm   |
| <b>Other accessory options</b>             |                     |   |   |
| to be ordered separately see pages 171-175 |                     | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag |



## Valve Connectors KAO - KA1 series

SELF - ASSEMBLY CABLE



| EN175301-803  | EN175301-803  | EN175301-803  | EN175301-803   |
|---|---|---|--|
| A   | A   | A   | A  |
| P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12  |
| black   | black   | black   | black  |
| 2+PE  | 3+PE  | 3+PE  | 3+PE   |
| <b>KA132000B6</b>   | <b>KA042000B9</b>   | <b>KA042000B1</b>   | <b>KA042000B6</b>  |
| order no. <b>KA132000A6</b>   | order no. <b>KA042000A9</b>   | order no. <b>KA042000A1</b>   | order no. <b>KA042000A6</b>  |
| M16x1,5   | PG9   | PG11  | M16x1,5  |
| 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal   |
|   |   |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm; 4,8 x 0,8mm  | 6,3 x 0,8mm; 4,8 x 0,8mm  | 6,3 x 0,8mm; 4,8 x 0,8mm   |
| 250 V AC/DC   | 250 V AC/DC   | 250 V AC/DC   | 250 V AC/DC  |
| 10 A  | 10 A  | 10 A  | 10 A   |
| 15mΩ max.   | 15mΩ max.   | 15mΩ max.   | 15mΩ max.  |
| III   | III   | III   | III  |
| screw M3  | screw M3  | screw M3  | screw M3   |
| max. 0,5 N/m  | max. 0,5 N/m  | max. 0,5 N/m  | max. 0,5 N/m   |
| 5 mm to 7 mm diameter   | 5 mm to 7 mm diameter   | 6 mm to 9 mm diameter   | 5 mm to 7 mm diameter  |
| central screw M3x32,5   | central screw M3x32,5   | central screw M3x32,5   | central screw M3x32,5  |
| PA6 GF  | PA6 GF  | PA6 GF  | PA6 GF   |
| PA6 GF  | PA6 GF  | PA6 GF  | PA6 GF   |
| IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled   |
| 3   | 3   | 3   | 3  |
| -40°C to + 100°C  | -40°C to + 100°C  | -40°C to + 100°C  | -40°C to + 100°C   |
| -40°C to + 125°C  | -40°C to + 125°C  | -40°C to + 125°C  | -40°C to + 125°C   |
| HB - UL 94  | HB - UL 94  | HB - UL 94  | HB - UL 94   |
| HB - UL 94  | HB - UL 94  | HB - UL 94  | HB - UL 94   |
| VDE   | VDE   | VDE   | VDE  |
| 500 pieces / 14,5Kg   | 500 pieces / 14,5Kg   | 500 pieces / 14,5Kg   | 500 pieces / 14,5Kg  |
| 80 x 30 x 22 cm   | 80 x 30 x 22 cm   | 80 x 30 x 22 cm   | 80 x 30 x 22 cm  |
| NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag   |
| Silicon profile gasket 100 pcs in bag   | Silicon profile gasket 100 pcs in bag   | Silicon profile gasket 100 pcs in bag   | Silicon profile gasket 100 pcs in bag  |
| Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag   |

Form A - EN 175301-803 (DIN43650) / ISO 4400



| Product description                        |              | EN175301-803  | EN175301-803  |
|--|--------------|---|---|
| Standard                                   |              | EN175301-803  | EN175301-803  |
| Construction type                          |              | A   | A   |
| Description                                |              | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 |
| Housing colour                             |              | black   | black   |
| Number of contacts                         |              | 2+PE  | 2+PE  |
| Order no.                                  |              | <b>KA132000B9UR</b>   | <b>KA132000B1UR</b>   |
| Other options on request                   | grey housing | order no. <b>KA132000A9UR</b>   | order no. <b>KA132000A1UR</b>   |
| Cable gland                                |              | PG9 (M16 x 1,5 on request)  | PG11  |
| Max. conductor size                        |              | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  |
| <b>Drawing</b>                             |              | <br>  | <br>  |
| <b>Technical data</b>                      |              |   |   |
| Pin dimension                              |              | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Rated voltage max.                         |              | 250 V AC/DC   | 250 V AC/DC   |
| Rated current max. (EN 60512-5-2 test 5b)  |              | 10 A  | 10 A  |
| Contact resistance                         |              | 15mΩ max.   | 15mΩ max.   |
| Overvoltage category                       |              | III   | III   |
| Type of termination                        |              | screw M3  | screw M3  |
| Contact screw torque                       |              | max. 0,5 N/m  | max. 0,5 N/m  |
| Suitable cables                            |              | 5 mm to 7 mm diameter   | 6 mm to 9 mm diameter   |
| Mounting                                   |              | central screw M3x32,5   | central screw M3x32,5   |
| <b>Material</b>                            |              |   |   |
| Contact holder material                    |              | PA66 GF H2  | PA66 GF H2  |
| Housing material                           |              | PA66 GF H2  | PA66 GF H2  |
| <b>Environmental conditions</b>            |              |   |   |
| Protection class (EN 60529)                |              | IP 65 when correctly assembled  | IP 65 when correctly assembled  |
| Pollution severity (EN 60664-1)            |              | 3   | 3   |
| Temperature range                          |              | -40°C to + 100°C  | -40°C to + 100°C  |
| <b>Inflammability class</b>                |              |   |   |
| Contact holder                             |              | 94-V0   | 94-V0   |
| Housing                                    |              | 94-V0   | 94-V0   |
| Approvals                                  |              | UL/cUL  | UL/cUL  |
| <b>Packaging</b>                           |              |   |   |
| Packaging unit / Weight approx.            |              | 500 pieces / 14,5Kg   | 500 pieces / 14,5Kg   |
| Box dimensions                             |              | 80 x 30 x 22 cm   | 80 x 30 x 22 cm   |
| <b>Other accessory options</b>             |              |   |   |
| to be ordered separately see pages 171-175 |              |   |   |

## Valve Connectors KAO - KA1 series

SELF - ASSEMBLY CABLE



CE US



CE US



| EN175301-803  | EN175301-803  | EN175301-803  | EN175301-803  |
|---|---|---|---|
| A   | A   | A   | A   |
| P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 |
| black   | black   | black   | black   |
| 3+PE  | 3+PE  | 2+PE  | 3+PE  |
| <b>KA042000B9UR</b>   | <b>KA042000B1UR</b>   | <b>KA132000B3</b>   | <b>KA042000A3</b>   |
| order no. <b>KA042000A9UR</b>   | order no. <b>KA042000A1UR</b>   | order no. <b>KA132000A3</b>   | order no. <b>KA042000A3</b>   |
| PG9 (M16 x 1,5 on request)  | PG11  | 1/2 NPTF  | 1/2 NPTF  |
| 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  |
|   |   |   |   |
| 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| 250 V AC/DC   | 250 V AC/DC   | 250 V AC/DC   | 250 V AC/DC   |
| 10 A  | 10 A  | 10 A  | 10 A  |
| 15mΩ max.   | 15mΩ max.   | 15mΩ max.   | 15mΩ max.   |
| III   | III   | III   | III   |
| screw M3  | screw M3  | screw M3  | screw M3  |
| max. 0,5 N/m  | max. 0,5 N/m  | max. 0,5 N/m  | max. 0,5 N/m  |
| 5 mm to 7 mm diameter   | 6 mm to 9 mm diameter   | not included  | not included  |
| central screw M3x32,5   | central screw M3x32,5   | central screw M3x32,5   | central screw M3x32,5   |
| PA66 GF H2  | PA66 GF H2  | PA6 GF  | PA6 GF  |
| PA66 GF H2  | PA66 GF H2  | PA6 GF  | PA6 GF  |
| IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled  |
| 3   | 3   | 3   | 3   |
| -40°C to + 100°C  | -40°C to + 100°C  | -40°C to + 100°C  | -40°C to + 100°C  |
|   |   | -40°C to + 125°C with silicon gasket  | -40°C to + 125°C with silicon gasket  |
| 94-V0   | 94-V0   | HB - UL 94  | HB - UL 94  |
| 94-V0   | 94-V0   | HB - UL 94  | HB - UL 94  |
| UL/cUL  | UL/cUL  |   |   |
| 500 pieces / 14,5Kg   | 500 pieces / 14,5Kg   | 500 pieces / 14Kg   | 500 pieces / 14Kg   |
| 80 x 30 x 22 cm   | 80 x 30 x 22 cm   | 80 x 30 x 22 cm   | 80 x 30 x 22 cm   |
|   |   | NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  |
|   |   | Silicon profile gasket 100 pcs in bag   | Silicon profile gasket 100 pcs in bag   |
|   |   | Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  |

Form A - EN 175301-803 (DIN43650) / ISO 4400



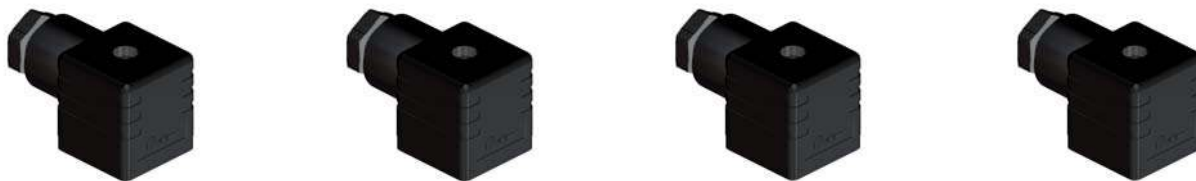
Form A - EN 175301-803 (DIN43650) / ISO 4400

| Product description                        |   |   |                             |
|--|---|---|-----------------------------|
| Standard                                   | EN175301-803  | EN175301-803  |                             |
| Construction type                          | A   | A   |                             |
| Description                                | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>protective diode         | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>protective diode         |                             |
| Housing colour                             | black   | black   |                             |
| Number of contacts                         | 2+PE  | 2+PE  |                             |
| Order no.                                  | <b>KA132D10B9</b>   | <b>KA132D10B1</b>   |                             |
| Other options on request                   | grey housing  | order no. <b>KA132D10A9</b>   | order no. <b>KA132D10A1</b> |
| Cable gland                                | PG9 (M16x1,5 on request)  | PG11  |                             |
| Max. conductor size                        | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  |                             |
| <b>Drawing</b>                             |   |   |                             |
|  |   |   |                             |
| <b>Technical data</b>                      |   |   |                             |
| Pin dimension                              | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |                             |
| Rated voltage                              | 0 ... 230V DC   | 0 ... 230V DC   |                             |
| Rated current max.                         | 4 A   | 4 A   |                             |
| Suppressor                                 | Diode 1A 1000V  | Diode 1A 1000V  |                             |
| LED colour                                 |   |   |                             |
| Contact resistance                         | 15mΩ max.   | 15mΩ max.   |                             |
| Overvoltage category                       | III   | III   |                             |
| Type of termination                        | screw M3  | screw M3  |                             |
| Contact screw torque                       | max. 0,5 N/m  | max. 0,5 N/m  |                             |
| Suitable cables                            | 5 mm to 7 mm diameter   | 6 mm to 9 mm diameter   |                             |
| Mounting                                   | central screw M3x32,5   | central screw M3x32,5   |                             |
| <b>Material</b>                            |   |   |                             |
| Contact holder material                    | PA6 GF  | PA6 GF  |                             |
| Housing material                           | PA6 GF  | PA6 GF  |                             |
| <b>Environmental conditions</b>            |   |   |                             |
| Protection class (EN 60529)                | IP 65 when correctly assembled  | IP 65 when correctly assembled  |                             |
| Pollution severity (EN 60664-1)            | 3   | 3   |                             |
| Temperature range                          | -40°C to + 100°C  | -40°C to + 100°C  |                             |
| <b>Inflammability class</b>                |   |   |                             |
| Contact holder                             | HB - UL 94  | HB - UL 94  |                             |
| Housing                                    | HB - UL 94  | HB - UL 94  |                             |
| <b>Packaging</b>                           |   |   |                             |
| Packaging unit / Weight approx.            | 100 pieces / 2,5Kg  | 100 pieces / 2,5Kg  |                             |
| Box dimensions                             | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |                             |
| <b>Other accessories options</b>           |   |   |                             |
| to be ordered separately see pages 171-175 | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag |                             |
| s  |   |   |                             |



## Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



| EN175301-803  | EN175301-803  | EN175301-803  | EN175301-803  |
|---|---|---|---|
| A   | A   | A   | A   |
| P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>TVS protective diode (transil) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>TVS protective diode (transil) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>RC protective circuit    | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>RC protective circuit    |
| black   | black   | black   | black   |
| 2+PE  | 2+PE  | 2+PE  | 2+PE  |
| <b>KA132T11B9</b>   | <b>KA132T11B1</b>   | <b>KA132C12B9</b>   | <b>KA132C12B1</b>   |
| order no. <b>KA132T11A9</b>   | order no. <b>KA132T11A1</b>   | order no. <b>KA132C12A9</b>   | order no. <b>KA132C12A1</b>   |
| PG9 (M16x1,5 on request)  | PG11  | PG9 (M16x1,5 on request)  | PG11  |
| 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  |
|   |   |   |   |
| 6,3 x 0,8mm ; 4,8 x 0,8mm<br>24V AC/DC<br>4 A<br>TVS Vbr max.=37,8V Peak=400W   | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>24V AC/DC<br>4 A<br>TVS Vbr max.=37,8V Peak=400W   | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>130 VAC - 250 VDC max<br>4 A<br>Filter RC C=0,33 µF R=100 Ω                        | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>130 VAC - 250 VDC max<br>4 A<br>Filter RC C=0,33 µF R=100 Ω                        |
| 15mΩ max.<br>III<br>screw M3<br>max. 0,5 N/m<br>5 mm to 7 mm diameter<br>central screw M3x32,5                        | 15mΩ max.<br>III<br>screw M3<br>max. 0,5 N/m<br>6 mm to 9 mm diameter<br>central screw M3x32,5                        | 15mΩ max.<br>III<br>screw M3<br>max. 0,5 N/m<br>5 mm to 7 mm diameter<br>central screw M3x32,5                  | 15mΩ max.<br>III<br>screw M3<br>max. 0,5 N/m<br>6 mm to 9 mm diameter<br>central screw M3x32,5                  |
| PA6 GF<br>PA6 GF  | PA6 GF<br>PA6 GF  | PA6 GF<br>PA6 GF  | PA6 GF<br>PA6 GF  |
| IP 65 when correctly assembled<br>3<br>-40°C to + 100°C   | IP 65 when correctly assembled<br>3<br>-40°C to + 100°C   | IP 65 when correctly assembled<br>3<br>-40°C to + 80°C  | IP 65 when correctly assembled<br>3<br>-40°C to + 80°C  |
| HB - UL 94<br>HB - UL 94  | HB - UL 94<br>HB - UL 94  | HB - UL 94<br>HB - UL 94  | HB - UL 94<br>HB - UL 94  |
| 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   |
| NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag       | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag       | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag |

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

| Product description                        |                                    | EN175301-803  | EN175301-803  |
|--|------------------------------------|---|---|
| Standard                                   |                                    | EN175301-803  | EN175301-803  |
| Construction type                          |                                    | A   | A   |
| Description                                |                                    | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and protective circuit (diode) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and protective circuit (diode) |
| Housing colour                             |                                    | transparent   | transparent   |
| Number of contacts                         |                                    | 2+PE  | 2+PE  |
| Order no.                                  |                                    | <b>KA132D54T9</b>   | <b>KA132D54T1</b>   |
| Other options on request                   | led colour red<br>led colour green | order no. <b>KA132D57T9</b><br>order no. <b>KA132D5AT9</b>  | order no. <b>KA132D57T1</b><br>order no. <b>KA132D5AT1</b>  |
| Cable gland                                |                                    | PG9 (M16x1,5 on request)  | PG11  |
| Max. conductor size                        |                                    | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  |
| <b>Drawing</b>                             |                                    |   |   |
| <b>Technical data</b>                      |                                    |   |   |
| Pin dimension                              |                                    | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Voltage                                    |                                    | 24 V DC   | 24 V DC   |
| Rated current max.                         |                                    | 4 A   | 4 A   |
| Suppressor                                 |                                    | Diode 1A 1000V  | Diode 1A 1000V  |
| LED colour                                 |                                    | yellow  | yellow  |
| Contact resistance                         |                                    | 15mΩ max.   | 15mΩ max.   |
| Overvoltage category                       |                                    | III   | III   |
| Type of termination                        |                                    | screw M3  | screw M3  |
| Contact screw torque                       |                                    | max. 0,5 N/m  | max. 0,5 N/m  |
| Suitable cables                            |                                    | 5 mm to 7 mm diameter   | 6 mm to 9 mm diameter   |
| Mounting                                   |                                    | central screw M3x32,5   | central screw M3x32,5   |
| <b>Material</b>                            |                                    |   |   |
| Contact holder material                    |                                    | PA6 GF  | PA6 GF  |
| Housing material                           |                                    | PA12  | PA12  |
| <b>Environmental conditions</b>            |                                    |   |   |
| Protection class (EN 60529)                |                                    | IP 65 when correctly assembled  | IP 65 when correctly assembled  |
| Pollution severity (EN 60664-1)            |                                    | 3   | 3   |
| Temperature range                          |                                    | -20°C to + 80°C   | -20°C to + 80°C   |
| <b>Inflammability class</b>                |                                    |   |   |
| Contact holder                             |                                    | HB - UL 94  | HB - UL 94  |
| Housing                                    |                                    | HB - UL 94  | HB - UL 94  |
| <b>Packaging</b>                           |                                    |   |   |
| Packaging unit / Weight approx.            |                                    | 100 pieces / 2,5Kg  | 100 pieces / 2,5Kg  |
| Box dimensions                             |                                    | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |
| <b>Other accessories options</b>           |                                    |   |   |
| to be ordered separately see pages 171-175 |                                    | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                                   | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                                   |

## Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



| EN175301-803  | EN175301-803  | EN175301-803   | EN175301-803   |
|---|---|--|--|
| A   | A   | A  | A  |
| P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and TVS protective circuit (transil) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and TVS protective circuit (transil) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and RC protective circuit | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and RC protective circuit |
| transparent   | transparent   | transparent  | transparent  |
| 2+PE  | 2+PE  | 2+PE   | 2+PE   |
| <b>KA132T54T9</b>   | <b>KA132T54T1</b>   | <b>KA132C54T9</b>  | <b>KA132C54T1</b>  |
| order no. <b>KA132T57T9</b>   | order no. <b>KA132T57T1</b>   |  |  |
| order no. <b>KA132T5AT9</b>   | order no. <b>KA132T5AT1</b>   |  |  |
| PG9 (M16x1,5 on request)  | PG11  | PG9 (M16x1,5 on request)   | PG11   |
| 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal   | 1,5mm <sup>2</sup> without splice/terminal   |
|   |   |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| 24 V AC/DC  | 24 V AC/DC  | 24 V AC/DC   | 24 V AC/DC   |
| 4 A   | 4 A   | 4 A  | 4 A  |
| TVS Vbr max.=37,8V Peak=400W  | TVS Vbr max.=37,8V Peak=400W  | Filter RC C=0,1 µF R=100 Ω   | Filter RC C=0,1 µF R=100 Ω   |
| yellow  | yellow  | yellow   | yellow   |
| 15mΩ max.   | 15mΩ max.   | 15mΩ max.  | 15mΩ max.  |
| III   | III   | III  | III  |
| screw M3  | screw M3  | screw M3   | screw M3   |
| max. 0,5 N/m  | max. 0,5 N/m  | max. 0,5 N/m   | max. 0,5 N/m   |
| 5 mm to 7 mm diameter   | 6 mm to 9 mm diameter   | 5 mm to 7 mm diameter  | 6 mm to 9 mm diameter  |
| central screw M3x32,5   | central screw M3x32,5   | central screw M3x32,5  | central screw M3x32,5  |
| PA6 GF  | PA6 GF  | PA6 GF   | PA6 GF   |
| PA12  | PA12  | PA12   | PA12   |
| IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled   | IP 65 when correctly assembled   |
| 3   | 3   | 3  | 3  |
| -20°C to + 80°C   | -20°C to + 80°C   | -20°C to + 80°C  | -20°C to + 80°C  |
| HB - UL 94  | HB - UL 94  | HB - UL 94   | HB - UL 94   |
| HB - UL 94  | HB - UL 94  | HB - UL 94   | HB - UL 94   |
| 100 pieces / 2,5Kg  | 100 pieces / 2,5Kg  | 100 pieces / 2,5Kg   | 100 pieces / 2,5Kg   |
| 29 x 15 x 18 cm   | 29 x 15 x 18 cm   | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |
| NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag   | NBR flat gasket 100 pcs in bag   |
| Silicon profile gasket 100 pcs in bag   | Silicon profile gasket 100 pcs in bag   | Silicon profile gasket 100 pcs in bag  | Silicon profile gasket 100 pcs in bag  |
| Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag   | Stainless steel screw 100 pcs in bag   |

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

|  |   |   |  |
|--|---|---|--|
| <b>Product description</b>                 |   |   |  |
| Standard                                   | EN175301-803  | EN175301-803  |  |
| Construction type                          | A   | A   |  |
| Description                                | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED) |  |
| Housing colour                             | transparent   | transparent   |  |
| Number of contacts                         | 2+PE  | 2+PE  |  |
| Order no.                                  | <b>KA132L34T9</b>   | <b>KA132L35T9</b>   |  |
| Other options on request                   | led colour red<br>led colour green  | order no. <b>KA132L37T9</b><br>order no. <b>KA132L38T9</b>  | order no. <b>KA132L34T9</b><br>order no. <b>KA132L35T9</b> |
| Cable gland                                | PG9 (M16x1,5 on request)  | PG9 (M16x1,5 on request)  |  |
| Max. conductor size                        | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  |  |
| <b>Drawing</b>                             |   |   |  |
|  |   |   |  |
| <b>Technical data</b>                      |   |   |  |
| Pin dimension                              | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |  |
| Voltage                                    | 24 V AC/DC  | 115 V AC/DC   |  |
| Rated current max.                         | 8 A   | 8 A   |  |
| LED colour                                 | yellow  | yellow  |  |
| Contact resistance                         | 15mΩ max.   | 15mΩ max.   |  |
| Overvoltage category                       | III   | III   |  |
| Type of termination                        | screw M3  | screw M3  |  |
| Contact screw torque                       | max. 0,5 N/m  | max. 0,5 N/m  |  |
| Suitable cables                            | 5 mm to 7 mm diameter   | 5 mm to 7 mm diameter   |  |
| Mounting                                   | central screw M3x32,5   | central screw M3x32,5   |  |
| <b>Material</b>                            |   |   |  |
| Contact holder material                    | PA6 GF  | PA6 GF  |  |
| Housing material                           | PA12  | PA12  |  |
| <b>Environmental conditions</b>            |   |   |  |
| Protection class (EN 60529)                | IP 65 when correctly assembled  | IP 65 when correctly assembled  |  |
| Pollution severity (EN 60664-1)            | 3   | 3   |  |
| Temperature range                          | -20°C to + 80°C   | -20°C to + 80°C   |  |
| <b>Inflammability class</b>                |   |   |  |
| Contact holder                             | HB - UL 94  | HB - UL 94  |  |
| Housing                                    | HB - UL 94  | HB - UL 94  |  |
| <b>Packaging</b>                           |   |   |  |
| Packaging unit / Weight approx.            | 100 pieces / 2,5Kg  | 100 pieces / 2,5Kg  |  |
| Box dimensions                             | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |  |
| <b>Other accessories options</b>           |   |   |  |
| to be ordered separately see pages 171-175 | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag |  |



## Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



| EN175301-803  | EN175301-803  | EN175301-803  | EN175301-803  |
|---|---|---|---|
| A   | A   | A   | A   |
| P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED) |
| transparent   | transparent   | transparent   | transparent   |
| 2+PE  | 2+PE  | 2+PE  | 2+PE  |
| <b>KA132L36T9</b>   | <b>KA132L34T1</b>   | <b>KA132L35T1</b>   | <b>KA132L36T1</b>   |
| order no. <b>KA132L39T9</b>   | order no. <b>KA132L37T1</b>   | order no. <b>KA132L38T1</b>   | order no. <b>KA132L39T1</b>   |
| order no. <b>KA132L3CT9</b>   | order no. <b>KA132L3AT1</b>   | order no. <b>KA132L3BT1</b>   | order no. <b>KA132L3CT1</b>   |
| PG9 (M16x1,5 on request)  | PG11  | PG11  | PG11  |
| 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  |
|   |   |   |   |
| 6,3 x 0,8mm ; 4,8 x 0,8mm<br>230 V AC/DC  | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>24 V AC/DC   | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>115 V AC/DC  | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>230 V AC/DC  |
| 8 A   | 8 A   | 8 A   | 8 A   |
| yellow  | yellow  | yellow  | yellow  |
| 15mΩ max.   | 15mΩ max.   | 15mΩ max.   | 15mΩ max.   |
| III   | III   | III   | III   |
| screw M3  | screw M3  | screw M3  | screw M3  |
| max. 0,5 N/m  | max. 0,5 N/m  | max. 0,5 N/m  | max. 0,5 N/m  |
| 5 mm to 7 mm diameter   | 6 mm to 9 mm diameter   | 6 mm to 9 mm diameter   | 6 mm to 9 mm diameter   |
| central screw M3x32,5   | central screw M3x32,5   | central screw M3x32,5   | central screw M3x32,5   |
| PA6 GF  | PA6 GF  | PA6 GF  | PA6 GF  |
| PA12  | PA12  | PA12  | PA12  |
| IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled  |
| 3   | 3   | 3   | 3   |
| -20°C to + 80°C   | -20°C to + 80°C   | -20°C to + 80°C   | -20°C to + 80°C   |
| HB - UL 94  | HB - UL 94  | HB - UL 94  | HB - UL 94  |
| HB - UL 94  | HB - UL 94  | HB - UL 94  | HB - UL 94  |
| 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   |
| NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  |
| Silicon profile gasket 100 pcs in bag   | Silicon profile gasket 100 pcs in bag   | Silicon profile gasket 100 pcs in bag   | Silicon profile gasket 100 pcs in bag   |
| Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  |

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

| Product description                        |                                    | EN175301-803   | EN175301-803   |
|--|------------------------------------|--|--|
| Standard                                   |                                    | EN175301-803   | EN175301-803   |
| Construction type                          |                                    | A  | A  |
| Description                                |                                    | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and VDR protective circuit (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and VDR protective circuit (varistor) |
| Housing colour                             |                                    | transparent  | transparent  |
| Number of contacts                         |                                    | 2+PE   | 2+PE   |
| Order no.                                  |                                    | <b>KA132V54T9</b>  | <b>KA132V55T9</b>  |
| Other options on request                   | led colour red<br>led colour green | order no. <b>KA132V57T9</b><br>order no. <b>KA132V5AT9</b>   | order no. <b>KA132V58T9</b><br>order no. <b>KA132V5BT9</b>   |
| Cable gland                                |                                    | PG9 (M16x1,5 on request)   | PG9 (M16x1,5 on request)   |
| Max. conductor size                        |                                    | max. 1,5mm <sup>2</sup> without splice/terminal  | max. 1,5mm <sup>2</sup> without splice/terminal  |
| <b>Drawing</b>                             |                                    |  |  |
| <b>Technical data</b>                      |                                    |  |  |
| Pin dimension                              |                                    | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| Voltage                                    |                                    | 24 V AC/DC   | 115 V AC/DC  |
| Rated current max.                         |                                    | 5 A  | 5 A  |
| Suppressor                                 |                                    | VDR 30 Vrms 0,9 Joule  | VDR 130 Vrms 4,5 Joule   |
| LED colour                                 |                                    | yellow   | yellow   |
| Contact resistance                         |                                    | 15mΩ max.  | 15mΩ max.  |
| Overvoltage category                       |                                    | III  | III  |
| Type of termination                        |                                    | screw M3   | screw M3   |
| Contact screw torque                       |                                    | max. 0,5 N/m   | max. 0,5 N/m   |
| Suitable cables                            |                                    | 5 mm to 7 mm diameter  | 5 mm to 7 mm diameter  |
| Mounting                                   |                                    | central screw M3x32,5  | central screw M3x32,5  |
| <b>Material</b>                            |                                    |  |  |
| Contact holder material                    |                                    | PA6 GF   | PA6 GF   |
| Housing material                           |                                    | PA12   | PA12   |
| <b>Environmental conditions</b>            |                                    |  |  |
| Protection class (EN 60529)                |                                    | IP 65 when correctly assembled   | IP 65 when correctly assembled   |
| Pollution severity (EN 60664-1)            |                                    | 3  | 3  |
| Temperature range                          |                                    | -20°C to + 80°C  | -20°C to + 80°C  |
| <b>Inflammability class</b>                |                                    |  |  |
| Contact holder                             |                                    | HB - UL 94   | HB - UL 94   |
| Housing                                    |                                    | HB - UL 94   | HB - UL 94   |
| <b>Packaging</b>                           |                                    |  |  |
| Packaging unit / Weight approx.            |                                    | 100 pieces / 2,5Kg   | 100 pieces / 2,5Kg   |
| Box dimensions                             |                                    | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |
| <b>Other accessories options</b>           |                                    |  |  |
| to be ordered separately see pages 171-175 |                                    | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  |

## Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



| EN175301-803  | EN175301-803  | EN175301-803  | EN175301-803  |
|---|---|---|---|
| A   | A   | A   | A   |
| P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and VDR protective circuit (varistor)<br>transparent | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and VDR protective circuit (varistor)<br>transparent | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and VDR protective circuit (varistor)<br>transparent | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and VDR protective circuit (varistor)<br>transparent |
| 2+PE<br><b>KA132V56T9</b>   | 2+PE<br><b>KA132V54T1</b>   | 2+PE<br><b>KA132V55T1</b>   | 2+PE<br><b>KA132V56T1</b>   |
| order no. <b>KA132V59T9</b><br>order no. <b>KA132V5CT9</b>  | order no. <b>KA132V57T1</b><br>order no. <b>KA132V5AT1</b>  | order no. <b>KA132V58T1</b><br>order no. <b>KA132V5BT1</b>  | order no. <b>KA132V59T1</b><br>order no. <b>KA132V5CT1</b>  |
| PG9 (M16x1,5 on request)  | PG11  | PG11  | PG11  |
| max. 1,5mm <sup>2</sup> without splice/terminal   | max. 1,5mm <sup>2</sup> without splice/terminal   | max. 1,5mm <sup>2</sup> without splice/terminal   | max. 1,5mm <sup>2</sup> without splice/terminal   |
|   |   |   |   |
| 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| 230 V AC/DC   | 24 V AC/DC  | 115 V AC/DC   | 230 V AC/DC   |
| 5 A   | 5 A   | 5 A   | 5 A   |
| VDR 275 Vrms 8,6 Joule<br>yellow<br>15mΩ max.   | VDR 30 Vrms 0,9 Joule<br>yellow<br>15mΩ max.  | VDR 130 Vrms 4,5 Joule<br>yellow<br>15mΩ max.   | VDR 275 Vrms 8,6 Joule<br>yellow<br>15mΩ max.   |
| III   | III   | III   | III   |
| screw M3<br>max. 0,5 N/m  | screw M3<br>max. 0,5 N/m  | screw M3<br>max. 0,5 N/m  | screw M3<br>max. 0,5 N/m  |
| 5 mm to 7 mm diameter   | 6 mm to 9 mm diameter   | 6 mm to 9 mm diameter   | 6 mm to 9 mm diameter   |
| central screw M3x32,5   | central screw M3x32,5   | central screw M3x32,5   | central screw M3x32,5   |
| PA6 GF<br>PA12  | PA6 GF<br>PA12  | PA6 GF<br>PA12  | PA6 GF<br>PA12  |
| IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled  |
| 3   | 3   | 3   | 3   |
| -20°C to + 80°C   | -20°C to + 80°C   | -20°C to + 80°C   | -20°C to + 80°C   |
| HB - UL 94  | HB - UL 94  | HB - UL 94  | HB - UL 94  |
| HB - UL 94  | HB - UL 94  | HB - UL 94  | HB - UL 94  |
| 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   |
| NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag   | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag   | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag   | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag   |

Form A - EN 175301-803 (DIN43650) / ISO 4400



| <b>Product description</b>                 |   |   |  |
|--|---|---|--|
| Standard                                   | EN175301-803  | EN175301-803  |  |
| Construction type                          | A   | A   |  |
| Description                                | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator bi-colour LED<br>for pressure switch device | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator bi-colour LED<br>for pressure switch device |  |
| Housing colour                             | transparent   | transparent   |  |
| Number of contacts                         | 3+PE  | 3+PE  |  |
| Order no.                                  | <b>KA042P1YT9</b>   | <b>KA042P2YT9</b>   |  |
| Cable gland                                | PG9 (M16x1,5 on request)  | PG9 (M16x1,5 on request)  |  |
| Max. conductor size                        | 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal  |  |
| <b>Drawing</b>                             |   |   |  |
| <b>Technical data</b>                      |   |   |  |
| Pin dimension                              | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |  |
| Voltage                                    | 24 V AC/DC  | 24 V AC/DC  |  |
| Rated current max.                         | 4 A   | 4 A   |  |
| LED colour                                 | LED yellow (pin 3) LED green (pin 2)  | LED red (pin 3) LED green (pin 2)   |  |
| Contact resistance                         | 15mΩ max.   | 15mΩ max.   |  |
| Overvoltage category                       | III   | III   |  |
| Type of termination                        | screw M3  | screw M3  |  |
| Contact screw torque                       | max. 0,5 N/m  | max. 0,5 N/m  |  |
| Suitable cables                            | 5 mm to 7 mm diameter   | 5 mm to 7 mm diameter   |  |
| Mounting                                   | central screw M3x32,5   | central screw M3x32,5   |  |
| <b>Material</b>                            |   |   |  |
| Contact holder material                    | PA6 GF  | PA6 GF  |  |
| Housing material                           | PA12  | PA12  |  |
| <b>Environmental conditions</b>            |   |   |  |
| Protection class (EN 60529)                | IP 65 when correctly assembled  | IP 65 when correctly assembled  |  |
| Pollution severity (EN 60664-1)            | 3   | 3   |  |
| Temperature range                          | -20°C to + 80°C   | -20°C to + 80°C   |  |
| <b>Inflammability class</b>                |   |   |  |
| Contact holder                             | HB - UL 94  | HB - UL 94  |  |
| Housing                                    | HB - UL 94  | HB - UL 94  |  |
| <b>Packaging</b>                           |   |   |  |
| Packaging unit / Weight approx.            | 100 pieces / 2,5Kg  | 100 pieces / 2,5Kg  |  |
| Box dimensions                             | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |  |
| <b>Other accessories options</b>           |   |   |  |
| to be ordered separately see pages 171-175 | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                                       | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                                       |  |

## Valve Connectors **KA0** series

SELF - ASSEMBLY CABLE



| EN175301-803  | EN175301-803  | EN175301-803  | EN175301-803  |
|---|---|---|---|
| A   | A   | A   | A   |
| P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator bi-colour LED<br>for pressure switch device | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator bi-colour LED<br>for pressure switch device | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator bi-colour LED<br>for pressure switch device | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator bi-colour LED<br>for pressure switch device |
| transparent   | transparent   | transparent   | transparent   |
| 3+PE  | 3+PE  | 3+PE  | 3+PE  |
| <b>KA042P3YT9</b>   | <b>KA042P1YT1</b>   | <b>KA042P2YT1</b>   | <b>KA042P3YT1</b>   |
| PG9 (M16x1,5 on request)  | PG11  | PG11  | PG11  |
| 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal  |
|   |   |   |   |
| 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| 24 V AC/DC  | 24 V AC/DC  | 24 V AC/DC  | 24 V AC/DC  |
| 4 A   | 4 A   | 4 A   | 4 A   |
| LED green (pin 3) LED yellow (pin 2)<br>15mΩ max.   | LED yellow (pin 3) LED green (pin 2)<br>15mΩ max.   | LED red (pin 3) LED green (pin 2)<br>15mΩ max.  | LED green (pin 3) LED yellow (pin 2)<br>15mΩ max.   |
| III   | III   | III   | III   |
| screw M3<br>max. 0,5 N/m  | screw M3<br>max. 0,5 N/m  | screw M3<br>max. 0,5 N/m  | screw M3<br>max. 0,5 N/m  |
| 5 mm to 7 mm diameter<br>central screw M3x32,5  | 6 mm to 9 mm diameter<br>central screw M3x32,5  | 6 mm to 9 mm diameter<br>central screw M3x32,5  | 6 mm to 9 mm diameter<br>central screw M3x32,5  |
| PA6 GF<br>PA12  | PA6 GF<br>PA12  | PA6 GF<br>PA12  | PA6 GF<br>PA12  |
| IP 65 when correctly assembled<br>3   | IP 65 when correctly assembled<br>3   | IP 65 when correctly assembled<br>3   | IP 65 when correctly assembled<br>3   |
| -20°C to + 80°C   | -20°C to + 80°C   | -20°C to + 80°C   | -20°C to + 80°C   |
| HB - UL 94<br>HB - UL 94  | HB - UL 94<br>HB - UL 94  | HB - UL 94<br>HB - UL 94  | HB - UL 94<br>HB - UL 94  |
| 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,5Kg<br>29 x 15 x 18 cm   |
| NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                                       | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                                       | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                                       | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                                       |

Form A - EN 175301-803 (DIN43650) / ISO 4400



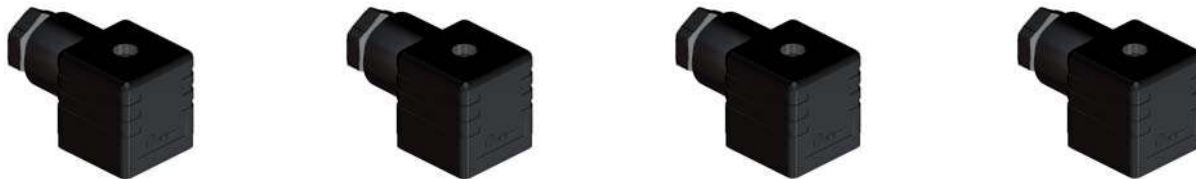
Form A - EN 175301-803 (DIN43650) / ISO 4400

| Product description                        |   |   |  |
|--|---|---|--|
| Standard                                   | EN175301-803  | EN175301-803  |  |
| Construction type                          | A   | A   |  |
| Description                                | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier<br>and VDR suppressor (varistor) |  |
| Housing colour                             | black   | black   |  |
| Number of contacts                         | 2+PE  | 2+PE  |  |
| Order no.                                  | <b>KA132R11B9</b>   | <b>KA132R12B9</b>   |  |
| Other options on request                   | grey housing  | order no. <b>KA132R12A9</b>   |  |
| Cable gland                                | PG9 (M16x1,5 on request)  | PG9 (M16x1,5 on request)  |  |
| Max. conductor size                        | 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal  |  |
| Drawing                                    |   |   |  |
|  |   |   |  |
|  |   |   |  |
| Technical data                             |   |   |  |
| Pin dimension                              | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |  |
| Voltage                                    | Input 24 VAC ; Output 20 VDC  | Input 115 VAC ; Output 103 VDC  |  |
| Rated current max.                         | 1 A   | 1 A   |  |
| Suppressor                                 | VDR 30 Vrms 0,9 Joule   | VDR 130 Vrms 4,5 Joule  |  |
| LED colour                                 |   |   |  |
| Contact resistance                         | 15mΩ max.   | 15mΩ max.   |  |
| Overvoltage category                       | III   | III   |  |
| Type of termination                        | screw M3  | screw M3  |  |
| Contact screw torque                       | max. 0,5 N/m  | max. 0,5 N/m  |  |
| Suitable cables                            | 5 mm to 7 mm diameter   | 5 mm to 7 mm diameter   |  |
| Mounting                                   | central screw M3x32,5   | central screw M3x32,5   |  |
| Material                                   |   |   |  |
| Contact holder material                    | PA6 GF  | PA6 GF  |  |
| Housing material                           | PA6 GF  | PA6 GF  |  |
| Environmental conditions                   |   |   |  |
| Protection class (EN 60529)                | IP 65 when correctly assembled  | IP 65 when correctly assembled  |  |
| Pollution severity (EN 60664-1)            | 3   | 3   |  |
| Temperature range                          | -40°C to + 80°C   | -40°C to + 80°C   |  |
| Inflammability class                       |   |   |  |
| Contact holder                             | HB - UL 94  | HB - UL 94  |  |
| Housing                                    | HB - UL 94  | HB - UL 94  |  |
| Packaging                                  |   |   |  |
| Packaging unit / Weight approx.            | 100 pieces / 2,7Kg  | 100 pieces / 2,7Kg  |  |
| Box dimensions                             | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |  |
| Other accessories options                  |   |   |  |
| to be ordered separately see pages 171-175 | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                               | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                               |  |



## Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



| EN175301-803  | EN175301-803  | EN175301-803  | EN175301-803  |
|---|---|---|---|
| A   | A   | A   | A   |
| P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier<br>and VDR suppressor (varistor) |
| black   | black   | black   | black   |
| 2+PE  | 2+PE  | 2+PE  | 2+PE  |
| <b>KA132R13B9</b>   | <b>KA132R11B1</b>   | <b>KA132R12B1</b>   | <b>KA132R13B1</b>   |
| order no. <b>KA132R13A9</b>   | order no. <b>KA132R11A1</b>   | order no. <b>KA132R12A1</b>   | order no. <b>KA132R13A1</b>   |
| PG9 (M16x1,5 on request)  | PG11  | PG11  | PG11  |
| 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal  |
|   |   |   |   |
| 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Input 230 VAC ; Output 207 VDC  | Input 24 VAC ; Output 20 VDC  | Input 115 VAC ; Output 103 VDC  | Input 230 VAC ; Output 207 VDC  |
| 1 A   | 1 A   | 1 A   | 1 A   |
| VDR 275 Vrms 8,6 Joule  | VDR 30 Vrms 0,9 Joule   | VDR 130 Vrms 4,5 Joule  | VDR 275 Vrms 8,6 Joule  |
| 15mΩ max.   | 15mΩ max.   | 15mΩ max.   | 15mΩ max.   |
| III   | III   | III   | III   |
| screw M3  | screw M3  | screw M3  | screw M3  |
| max. 0,5 N/m  | max. 0,5 N/m  | max. 0,5 N/m  | max. 0,5 N/m  |
| 5 mm to 7 mm diameter   | 6 mm to 9 mm diameter   | 6 mm to 9 mm diameter   | 6 mm to 9 mm diameter   |
| central screw M3x32,5   | central screw M3x32,5   | central screw M3x32,5   | central screw M3x32,5   |
| PA6 GF  | PA6 GF  | PA6 GF  | PA6 GF  |
| PA6 GF  | PA6 GF  | PA6 GF  | PA6 GF  |
| IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled  |
| 3   | 3   | 3   | 3   |
| -40°C to + 80°C   | -40°C to + 80°C   | -40°C to + 80°C   | -40°C to + 80°C   |
| HB - UL 94  | HB - UL 94  | HB - UL 94  | HB - UL 94  |
| HB - UL 94  | HB - UL 94  | HB - UL 94  | HB - UL 94  |
| 100 pieces / 2,7Kg  | 100 pieces / 2,7Kg  | 100 pieces / 2,7Kg  | 100 pieces / 2,7Kg  |
| 29 x 15 x 18 cm   | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |
| NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  |
| Silicon profile gasket 100 pcs in bag   | Silicon profile gasket 100 pcs in bag   | Silicon profile gasket 100 pcs in bag   | Silicon profile gasket 100 pcs in bag   |
| Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  |

Form A - EN 175301-803 (DIN43650) / ISO 4400

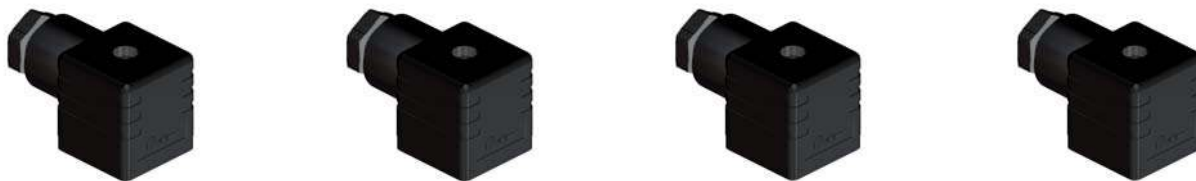


Form A - EN 175301-803 (DIN43650) / ISO 4400

| Product description                        |              | EN175301-803  | EN175301-803  |
|--|--------------|---|---|
| Standard                                   |              | EN175301-803  | EN175301-803  |
| Construction type                          |              | A   | A   |
| Description                                |              | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier<br>and VDR suppressor (varistor) |
| Housing colour                             |              | black   | black   |
| Number of contacts                         |              | 2+PE  | 2+PE  |
| Order no.                                  |              | <b>KA132R21B9</b>   | <b>KA132R22B9</b>   |
| Other options on request                   | grey housing | order no. <b>KA132R21A9</b>   | order no. <b>KA132R22A9</b>   |
| Cable gland                                |              | PG9 (M16x1,5 on request)  | PG9 (M16x1,5 on request)  |
| Max. conductor size                        |              | 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal  |
| <b>Drawing</b>                             |              |   |   |
| <b>Technical data</b>                      |              |   |   |
| Pin dimension                              |              | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Voltage                                    |              | Input 24 VAC ; Output 20 VDC  | Input 115 VAC ; Output 103 VDC  |
| Rated current max.                         |              | 4 A   | 4 A   |
| Suppressor                                 |              | VDR 30 Vrms 0,9 Joule   | VDR 130 Vrms 4,5 Joule  |
| LED colour                                 |              |   |   |
| Contact resistance                         |              | 15mΩ max.   | 15mΩ max.   |
| Overvoltage category                       |              | III   | III   |
| Type of termination                        |              | screw M3  | screw M3  |
| Contact screw torque                       |              | max. 0,5 N/m  | max. 0,5 N/m  |
| Suitable cables                            |              | 5 mm to 7 mm diameter   | 5 mm to 7 mm diameter   |
| Mounting                                   |              | central screw M3x32,5   | central screw M3x32,5   |
| <b>Material</b>                            |              |   |   |
| Contact holder material                    |              | PA6 GF  | PA6 GF  |
| Housing material                           |              | PA6 GF  | PA6 GF  |
| <b>Environmental conditions</b>            |              |   |   |
| Protection class (EN 60529)                |              | IP 65 when correctly assembled  | IP 65 when correctly assembled  |
| Pollution severity (EN 60664-1)            |              | 3   | 3   |
| Temperature range                          |              | -40°C to + 80°C   | -40°C to + 80°C   |
| <b>Inflammability class</b>                |              |   |   |
| Contact holder                             |              | HB - UL 94  | HB - UL 94  |
| Housing                                    |              | HB - UL 94  | HB - UL 94  |
| <b>Packaging</b>                           |              |   |   |
| Packaging unit / Weight approx.            |              | 100 pieces / 2,7Kg  | 100 pieces / 2,7Kg  |
| Box dimensions                             |              | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |
| <b>Other accessories options</b>           |              |   |   |
| to be ordered separately see pages 171-175 |              | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                               | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                               |

## Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



| EN175301-803  | EN175301-803  | EN175301-803  | EN175301-803  |
|---|---|---|---|
| A   | A   | A   | A   |
| P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier<br>and VDR suppressor (varistor) |
| black   | black   | black   | black   |
| 2+PE  | 2+PE  | 2+PE  | 2+PE  |
| <b>KA132R23B9</b>   | <b>KA132R21B1</b>   | <b>KA132R22B1</b>   | <b>KA132R23B1</b>   |
| order no. <b>KA132R23A9</b>   | order no. <b>KA132R21A1</b>   | order no. <b>KA132R22A1</b>   | order no. <b>KA132R23A1</b>   |
| PG9 (M16x1,5 on request)  | PG11  | PG11  | PG11  |
| 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal  |
|   |   |   |   |
| 6,3 x 0,8mm ; 4,8 x 0,8mm<br>Input 230 VAC ; Output 207 VDC<br>4 A<br>VDR 275 Vrms 8,6 Joule  | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>Input 24 VAC ; Output 20 VDC<br>4 A<br>VDR 30 Vrms 0,9 Joule   | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>Input 115 VAC ; Output 103 VDC<br>4 A<br>VDR 130 Vrms 4,5 Joule  | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>Input 230 VAC ; Output 207 VDC<br>4 A<br>VDR 275 Vrms 8,6 Joule  |
| 15mΩ max.   | 15mΩ max.   | 15mΩ max.   | 15mΩ max.   |
| III   | III   | III   | III   |
| screw M3<br>max. 0,5 N/m  | screw M3<br>max. 0,5 N/m  | screw M3<br>max. 0,5 N/m  | screw M3<br>max. 0,5 N/m  |
| 5 mm to 7 mm diameter<br>central screw M3x32,5  | 6 mm to 9 mm diameter<br>central screw M3x32,5  | 6 mm to 9 mm diameter<br>central screw M3x32,5  | 6 mm to 9 mm diameter<br>central screw M3x32,5  |
| PA6 GF<br>PA6 GF  | PA6 GF<br>PA6 GF  | PA6 GF<br>PA6 GF  | PA6 GF<br>PA6 GF  |
| IP 65 when correctly assembled<br>3   | IP 65 when correctly assembled<br>3   | IP 65 when correctly assembled<br>3   | IP 65 when correctly assembled<br>3   |
| -40°C to + 80°C   | -40°C to + 80°C   | -40°C to + 80°C   | -40°C to + 80°C   |
| HB - UL 94<br>HB - UL 94  | HB - UL 94<br>HB - UL 94  | HB - UL 94<br>HB - UL 94  | HB - UL 94<br>HB - UL 94  |
| 100 pieces / 2,7Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,7Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,7Kg<br>29 x 15 x 18 cm   | 100 pieces / 2,7Kg<br>29 x 15 x 18 cm   |
| NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                               | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                               | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                               | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag                               |

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

| Product description                        |                                    | EN175301-803   | EN175301-803   |
|--|------------------------------------|--|--|
| Standard                                   |                                    | EN175301-803   | EN175301-803   |
| Construction type                          |                                    | A  | A  |
| Description                                |                                    | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) |
| Housing colour                             |                                    | transparent  | transparent  |
| Number of contacts                         |                                    | 2+PE   | 2+PE   |
| Order no.                                  |                                    | <b>KA132R54T9</b>  | <b>KA132R55T9</b>  |
| Other options on request                   | led colour red<br>led colour green | order no. <b>KA132R57T9</b><br>order no. <b>KA132R5AT9</b>   | order no. <b>KA132R58T9</b><br>order no. <b>KA132R5BT9</b>   |
| Cable gland                                |                                    | PG9 (M16x1,5 on request)   | PG9 (M16x1,5 on request)   |
| Max. conductor size                        |                                    | 1mm <sup>2</sup> without splice/terminal   | 1mm <sup>2</sup> without splice/terminal   |
| <b>Drawing</b>                             |                                    |  |  |
| <b>Technical data</b>                      |                                    |  |  |
| Pin dimension                              |                                    | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| Voltage                                    |                                    | Input 24 VAC ; Output 20 VDC   | Input 115 VAC ; Output 103 VDC   |
| Rated current max.                         |                                    | 1 A  | 1 A  |
| Suppressor                                 |                                    | VDR 30 Vrms 0,9 Joule  | VDR 130 Vrms 4,5 Joule   |
| LED colour                                 |                                    | yellow   | yellow   |
| Contact resistance                         |                                    | 15mΩ max.  | 15mΩ max.  |
| Overvoltage category                       |                                    | III  | III  |
| Type of termination                        |                                    | screw M3   | screw M3   |
| Contact screw torque                       |                                    | max. 0,5 N/m   | max. 0,5 N/m   |
| Suitable cables                            |                                    | 5 mm to 7 mm diameter  | 5 mm to 7 mm diameter  |
| Mounting                                   |                                    | central screw M3x32,5  | central screw M3x32,5  |
| <b>Material</b>                            |                                    |  |  |
| Contact holder material                    |                                    | PA6 GF   | PA6 GF   |
| Housing material                           |                                    | PA12   | PA12   |
| <b>Environmental conditions</b>            |                                    |  |  |
| Protection class (EN 60529)                |                                    | IP 65 when correctly assembled   | IP 65 when correctly assembled   |
| Pollution severity (EN 60664-1)            |                                    | 3  | 3  |
| Temperature range                          |                                    | -20°C to + 80°C  | -20°C to + 80°C  |
| <b>Inflammability class</b>                |                                    |  |  |
| Contact holder                             |                                    | HB - UL 94   | HB - UL 94   |
| Housing                                    |                                    | HB - UL 94   | HB - UL 94   |
| <b>Packaging</b>                           |                                    |  |  |
| Packaging unit / Weight approx.            |                                    | 100 pieces / 2,7Kg   | 100 pieces / 2,7Kg   |
| Box dimensions                             |                                    | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |
| <b>Other accessories options</b>           |                                    |  |  |
| to be ordered separately see pages 171-175 |                                    | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  |

## Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



|  |  |  |  |
|--|--|--|--|
| EN175301-803   | EN175301-803   | EN175301-803   | EN175301-803   |
| A  | A  | A  | A  |
| P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) |
| transparent  | transparent  | transparent  | transparent  |
| 2+PE   | 2+PE   | 2+PE   | 2+PE   |
| <b>KA132R56T9</b>  | <b>KA132R54T1</b>  | <b>KA132R55T1</b>  | <b>KA132R56T1</b>  |
| order no. <b>KA132R59T9</b>  | order no. <b>KA132R57T1</b>  | order no. <b>KA132R58T1</b>  | order no. <b>KA132R59T1</b>  |
| order no. <b>KA132R5C9</b>   | order no. <b>KA132R5A1</b>   | order no. <b>KA132R5B1</b>   | order no. <b>KA132R5C1</b>   |
| PG9 (M16x1,5 on request)   | PG11   | PG11   | PG11   |
| 1mm <sup>2</sup> without splice/terminal   | 1mm <sup>2</sup> without splice/terminal   | 1mm <sup>2</sup> without splice/terminal   | 1mm <sup>2</sup> without splice/terminal   |
|  |  |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| Input 230 VAC ; Output 207 VDC   | Input 24 VAC ; Output 20 VDC   | Input 115 VAC ; Output 103 VDC   | Input 230 VAC ; Output 207 VDC   |
| 1 A  | 1 A  | 1 A  | 1 A  |
| VDR 275 Vrms 8,6 Joule   | VDR 30 Vrms 0,9 Joule  | VDR 130 Vrms 4,5 Joule   | VDR 275 Vrms 8,6 Joule   |
| yellow   | yellow   | yellow   | yellow   |
| 15mΩ max.  | 15mΩ max.  | 15mΩ max.  | 15mΩ max.  |
| III  | III  | III  | III  |
| screw M3   | screw M3   | screw M3   | screw M3   |
| max. 0,5 N/m   | max. 0,5 N/m   | max. 0,5 N/m   | max. 0,5 N/m   |
| 5 mm to 7 mm diameter  | 6 mm to 9 mm diameter  | 6 mm to 9 mm diameter  | 6 mm to 9 mm diameter  |
| central screw M3x32,5  | central screw M3x32,5  | central screw M3x32,5  | central screw M3x32,5  |
| PA6 GF   | PA6 GF   | PA6 GF   | PA6 GF   |
| PA12   | PA12   | PA12   | PA12   |
| IP 65 when correctly assembled   | IP 65 when correctly assembled   | IP 65 when correctly assembled   | IP 65 when correctly assembled   |
| 3  | 3  | 3  | 3  |
| -20°C to + 80°C  | -20°C to + 80°C  | -20°C to + 80°C  | -20°C to + 80°C  |
| HB - UL 94   | HB - UL 94   | HB - UL 94   | HB - UL 94   |
| HB - UL 94   | HB - UL 94   | HB - UL 94   | HB - UL 94   |
| 100 pieces / 2,7Kg   | 100 pieces / 2,7Kg   | 100 pieces / 2,7Kg   | 100 pieces / 2,7Kg   |
| 29 x 15 x 18 cm  | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |
| NBR flat gasket 100 pcs in bag   | NBR flat gasket 100 pcs in bag   | NBR flat gasket 100 pcs in bag   | NBR flat gasket 100 pcs in bag   |
| Silicon profile gasket 100 pcs in bag  | Silicon profile gasket 100 pcs in bag  | Silicon profile gasket 100 pcs in bag  | Silicon profile gasket 100 pcs in bag  |
| Stainless steel screw 100 pcs in bag   | Stainless steel screw 100 pcs in bag   | Stainless steel screw 100 pcs in bag   | Stainless steel screw 100 pcs in bag   |

Form A - EN 175301-803 (DIN43650) / ISO 4400



| <b>Product description</b>                 |  |  |  |
|--|--|--|--|
| Standard                                   | EN175301-803   | EN175301-803   |  |
| Construction type                          | A  | A  |  |
| Description                                | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) |  |
| Housing colour                             | transparent  | transparent  |  |
| Number of contacts                         | 2+PE   | 2+PE   |  |
| Order no.                                  | <b>KA132RB4T9</b>  | <b>KA132RB5T9</b>  |  |
| Other options on request                   |  |  |  |
| Cable gland                                | PG9 (M16x1,5 on request)   | PG9 (M16x1,5 on request)   |  |
| Max. conductor size                        | 1mm <sup>2</sup> without splice/terminal   | 1mm <sup>2</sup> without splice/terminal   |  |
| <b>Drawing</b>                             |  |  |  |
|  |  |  |  |
|  |  |  |  |
| <b>Technical data</b>                      |  |  |  |
| Pin dimension                              | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  |  |
| Voltage                                    | Input 24 VAC ; Output 20 VDC   | Input 115 VAC ; Output 103 VDC   |  |
| Rated current max.                         | 2 A  | 2 A  |  |
| Suppressor                                 | VDR 30 Vrms 0,9 Joule  | VDR 130 Vrms 4,5 Joule   |  |
| LED colour                                 | yellow   | yellow   |  |
| Contact resistance                         | 15mΩ max.  | 15mΩ max.  |  |
| Overvoltage category                       | III  | III  |  |
| Type of termination                        | screw M3   | screw M3   |  |
| Contact screw torque                       | max. 0,5 N/m   | max. 0,5 N/m   |  |
| Suitable cables                            | 5 mm to 7 mm diameter  | 5 mm to 7 mm diameter  |  |
| Mounting                                   | central screw M3x32,5  | central screw M3x32,5  |  |
| <b>Material</b>                            |  |  |  |
| Contact holder material                    | PA6 GF   | PA6 GF   |  |
| Housing material                           | PA12   | PA12   |  |
| <b>Environmental conditions</b>            |  |  |  |
| Protection class (EN 60529)                | IP 65 when correctly assembled   | IP 65 when correctly assembled   |  |
| Pollution severity (EN 60664-1)            | 3  | 3  |  |
| Temperature range                          | -20°C to + 80°C  | -20°C to + 80°C  |  |
| <b>Inflammability class</b>                |  |  |  |
| Contact holder                             | HB - UL 94   | HB - UL 94   |  |
| Housing                                    | HB - UL 94   | HB - UL 94   |  |
| <b>Packaging</b>                           |  |  |  |
| Packaging unit / Weight approx.            | 100 pieces / 2,7Kg   | 100 pieces / 2,7Kg   |  |
| Box dimensions                             | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |  |
| <b>Other accessories options</b>           |  |  |  |
| to be ordered separately see pages 171-175 | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  |  |



## Valve Connectors KA1 series

SELF - ASSEMBLY CABLE



| EN175301-803   | EN175301-803   | EN175301-803   | EN175301-803   |
|--|--|--|--|
| A  | A  | A  | A  |
| P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) |
| transparent  | transparent  | transparent  | transparent  |
| 2+PE   | 2+PE   | 2+PE   | 2+PE   |
| <b>KA132RB6T9</b>  | <b>KA132RB4T1</b>  | <b>KA132RB5T1</b>  | <b>KA132RB6T1</b>  |
| PG9 (M16x1,5 on request)   | PG11   | PG11   | PG11   |
| 1mm <sup>2</sup> without splice/terminal   | 1mm <sup>2</sup> without splice/terminal   | 1mm <sup>2</sup> without splice/terminal   | 1mm <sup>2</sup> without splice/terminal   |
|  |  |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm<br>Input 230 VAC ; Output 207 VDC<br>2 A   | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>Input 115 VAC ; Output 103 VDC<br>2 A   | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>Input 115 VAC ; Output 103 VDC<br>2 A   | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>Input 230 VAC ; Output 207 VDC<br>2 A   |
| VDR 275 Vrms 8,6 Joule<br>yellow<br>15mΩ max.  | VDR 30 Vrms 0,9 Joule<br>yellow<br>15mΩ max.   | VDR 130 Vrms 4,5 Joule<br>yellow<br>15mΩ max.  | VDR 275 Vrms 8,6 Joule<br>yellow<br>15mΩ max.  |
| III<br>screw M3<br>max. 0,5 N/m<br>5 mm to 7 mm diameter<br>central screw M3x32,5  | III<br>screw M3<br>max. 0,5 N/m<br>6 mm to 9 mm diameter<br>central screw M3x32,5  | III<br>screw M3<br>max. 0,5 N/m<br>6 mm to 9 mm diameter<br>central screw M3x32,5  | III<br>screw M3<br>max. 0,5 N/m<br>6 mm to 9 mm diameter<br>central screw M3x32,5  |
| PA6 GF<br>PA12   | PA6 GF<br>PA12   | PA6 GF<br>PA12   | PA6 GF<br>PA12   |
| IP 65 when correctly assembled<br>3<br>-20°C to + 80°C   | IP 65 when correctly assembled<br>3<br>-20°C to + 80°C   | IP 65 when correctly assembled<br>3<br>-20°C to + 80°C   | IP 65 when correctly assembled<br>3<br>-20°C to + 80°C   |
| HB - UL 94<br>HB - UL 94   | HB - UL 94<br>HB - UL 94   | HB - UL 94<br>HB - UL 94   | HB - UL 94<br>HB - UL 94   |
| 100 pieces / 2,7Kg<br>29 x 15 x 18 cm  | 100 pieces / 2,7Kg<br>29 x 15 x 18 cm  | 100 pieces / 2,7Kg<br>29 x 15 x 18 cm  | 100 pieces / 2,7Kg<br>29 x 15 x 18 cm  |
| NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  |

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

| Product description                        |  | EN175301-803   | EN175301-803   |
|--|--|--|--|
| Standard                                   |  | EN175301-803   | EN175301-803   |
| Construction type                          |  | A  | A  |
| Description                                |  | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) |
| Housing colour                             |  | transparent  | transparent  |
| Number of contacts                         |  | 2+PE   | 2+PE   |
| Order no.                                  |  | <b>KA132R64T9</b>  | <b>KA132R65T9</b>  |
| Other options on request                   |  |  |  |
| Cable gland                                |  | PG9 (M16x1,5 on request)   | PG9 (M16x1,5 on request)   |
| Max. conductor size                        |  | 1mm <sup>2</sup> without splice/terminal   | 1mm <sup>2</sup> without splice/terminal   |
| <b>Drawing</b>                             |  |  |  |
| <b>Technical data</b>                      |  |  |  |
| Pin dimension                              |  | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| Voltage                                    |  | Input 24 VAC ; Output 20 VDC   | Input 115 VAC ; Output 103 VDC   |
| Rated current max.                         |  | 4 A  | 4 A  |
| Suppressor                                 |  | VDR 30 Vrms 0,9 Joule  | VDR 130 Vrms 4,5 Joule   |
| LED colour                                 |  | yellow   | yellow   |
| Contact resistance                         |  | 15mΩ max.  | 15mΩ max.  |
| Overvoltage category                       |  | III  | III  |
| Type of termination                        |  | screw M3   | screw M3   |
| Contact screw torque                       |  | max. 0,5 N/m   | max. 0,5 N/m   |
| Suitable cables                            |  | 5 mm to 7 mm diameter  | 5 mm to 7 mm diameter  |
| Mounting                                   |  | central screw M3x32,5  | central screw M3x32,5  |
| <b>Material</b>                            |  |  |  |
| Contact holder material                    |  | PA6 GF   | PA6 GF   |
| Housing material                           |  | PA12   | PA12   |
| <b>Environmental conditions</b>            |  |  |  |
| Protection class (EN 60529)                |  | IP 65 when correctly assembled   | IP 65 when correctly assembled   |
| Pollution severity (EN 60664-1)            |  | 3  | 3  |
| Temperature range                          |  | -20°C to + 80°C  | -20°C to + 80°C  |
| <b>Inflammability class</b>                |  |  |  |
| Contact holder                             |  | HB - UL 94   | HB - UL 94   |
| Housing                                    |  | HB - UL 94   | HB - UL 94   |
| <b>Packaging</b>                           |  |  |  |
| Packaging unit / Weight approx.            |  | 100 pieces / 2,7Kg   | 100 pieces / 2,7Kg   |
| Box dimensions                             |  | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |
| <b>Other accessories options</b>           |  |  |  |
| to be ordered separately see pages 171-175 |  | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  |

## Valve Connectors KA1 series

SELF-ASSEMBLY CABLE



|  |  |  |  |
|--|--|--|--|
| EN175301-803   | EN175301-803   | EN175301-803   | EN175301-803   |
| A  | A  | A  | A  |
| P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) | P18 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>full bridge rectifier, LED indicator<br>and VDR suppressor (varistor) |
| transparent  | transparent  | transparent  | transparent  |
| 2+PE   | 2+PE   | 2+PE   | 2+PE   |
| <b>KA132R66T9</b>  | <b>KA132R64T1</b>  | <b>KA132R65T1</b>  | <b>KA132R66T1</b>  |
| PG9 (M16x1,5 on request)   | PG11   | PG11   | PG11   |
| 1mm <sup>2</sup> without splice/terminal   | 1mm <sup>2</sup> without splice/terminal   | 1mm <sup>2</sup> without splice/terminal   | 1mm <sup>2</sup> without splice/terminal   |
|  |  |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm<br>Input 230 VAC ; Output 207 VDC<br>4 A   | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>Input 24 VAC ; Output 20 VDC<br>4 A   | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>Input 115 VAC ; Output 103 VDC<br>4 A   | 6,3 x 0,8mm ; 4,8 x 0,8mm<br>Input 230 VAC ; Output 207 VDC<br>4 A   |
| VDR 275 Vrms 8,6 Joule<br>yellow<br>15mΩ max.  | VDR 30 Vrms 0,9 Joule<br>yellow<br>15mΩ max.   | VDR 130 Vrms 4,5 Joule<br>yellow<br>15mΩ max.  | VDR 275 Vrms 8,6 Joule<br>yellow<br>15mΩ max.  |
| III<br>screw M3<br>max. 0,5 N/m<br>5 mm to 7 mm diameter<br>central screw M3x32,5  | III<br>screw M3<br>max. 0,5 N/m<br>6 mm to 9 mm diameter<br>central screw M3x32,5  | III<br>screw M3<br>max. 0,5 N/m<br>6 mm to 9 mm diameter<br>central screw M3x32,5  | III<br>screw M3<br>max. 0,5 N/m<br>6 mm to 9 mm diameter<br>central screw M3x32,5  |
| PA6 GF<br>PA12   | PA6 GF<br>PA12   | PA6 GF<br>PA12   | PA6 GF<br>PA12   |
| IP 65 when correctly assembled<br>3<br>-20°C to + 80°C   | IP 65 when correctly assembled<br>3<br>-20°C to + 80°C   | IP 65 when correctly assembled<br>3<br>-20°C to + 80°C   | IP 65 when correctly assembled<br>3<br>-20°C to + 80°C   |
| HB - UL 94<br>HB - UL 94   | HB - UL 94<br>HB - UL 94   | HB - UL 94<br>HB - UL 94   | HB - UL 94<br>HB - UL 94   |
| 100 pieces / 2,7Kg<br>29 x 15 x 18 cm  | 100 pieces / 2,7Kg<br>29 x 15 x 18 cm  | 100 pieces / 2,7Kg<br>29 x 15 x 18 cm  | 100 pieces / 2,7Kg<br>29 x 15 x 18 cm  |
| NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  | NBR flat gasket 100 pcs in bag<br>Silicon profile gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  |

Form A - EN 175301-803 (DIN43650) / ISO 4400



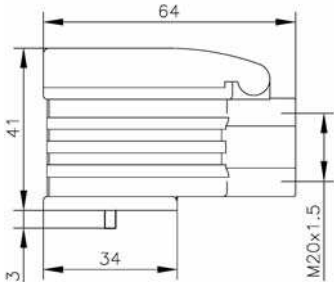
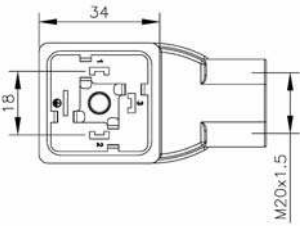

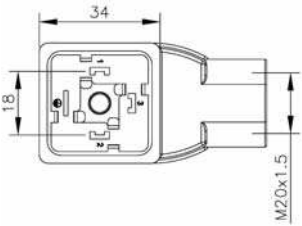

Form A - EN 175301-803 (DIN43650) / ISO 4400

| <b>Product description</b>                 |   |  |
|--|---|--|
| Standard                                   | EN175301-803  | EN175301-803                             |
| Construction type                          | A   | A  |
| Description                                | P18 connector with screw terminals, NBR profile gasket, (PE) earth position H12. With P.W.M. energy saving circuit with microprocessor. Protection against short circuit, overload and reverse polarity (in case of wrong connection). Auto regulation of the Output power as a function of the input voltage variation |  |
| Housing colour                             | transparent   | transparent                              |
| Number of contacts                         | 2+PE  | 2+PE                                     |
| Order no.                                  | <b>KA132A3GT9</b>   | <b>KA132A34T9</b>                        |
| Cable gland                                | PG9 (M16x1,5 on request)  | PG9 (M16x1,5 on request)                 |
| Max. conductor size                        | 1mm <sup>2</sup> without splice/terminal  | 1mm <sup>2</sup> without splice/terminal |
| <b>Drawing</b>                             |   |  |
|  |   |  |
| <b>Technical data</b>                      |   |  |
| Pin dimension                              | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm                |
| Nominal Voltage                            | 12 V DC ripple 10% (max)  | 24 V DC ripple 10% (max)                 |
| Rated Voltage                              | 8 - 20 V DC   | 18 - 30 V DC                             |
| Max. Current                               | 2 A   | 2 A                                      |
| Max. Power                                 | 50 W  | 50 W                                     |
| PWM Frequency                              | 170 Hz  | 170 Hz                                   |
| Start-up time                              | 600 msec.   | 600 msec.                                |
| Power Reduction                            | 40%   | 40%                                      |
| Type of termination                        | screw M3  | screw M3                                 |
| Contact screw torque                       | max. 0,5 N/m  | max. 0,5 N/m                             |
| Suitable cables                            | 5 mm to 7 mm diameter   | 5 mm to 7 mm diameter                    |
| Mounting                                   | central screw M3x32,5   | central screw M3x32,5                    |
| <b>Material</b>                            |   |  |
| Contact holder material                    | PA6 GF  | PA6 GF                                   |
| Housing material                           | PA12  | PA12                                     |
| <b>Environmental conditions</b>            |   |  |
| Protection class (EN 60529)                | IP 65 when correctly assembled  | IP 65 when correctly assembled           |
| Pollution severity (EN 60664-1)            | 3   | 3  |
| Temperature range                          | -20°C to + 80°C   | -20°C to + 80°C                          |
| <b>Inflammability class</b>                |   |  |
| Contact holder                             | HB - UL 94  | HB - UL 94                               |
| Housing                                    | HB - UL 94  | HB - UL 94                               |
| <b>Packaging</b>                           |   |  |
| Packaging unit / Weight approx.            | 100 pieces / 2,7Kg  | 100 pieces / 2,7Kg                       |
| Box dimensions                             | 29 x 15 x 18 cm   | 29 x 15 x 18 cm                          |
| <b>Other accessories options</b>           |   |  |
| to be ordered separately see pages 171-175 | We can provide a customer version, with parameterized dedicated   |  |

## Valve Connectors KA2 series

SELF - ASSEMBLY CABLE



| Product description  |   |   |
|--|---|---|
| Standard   | EN175301-803  | EN175301-803  |
| Construction type  | A   | A   |
| Description  | P18 connector with screw terminals<br>NBR integrated flat gasket<br>(PE) earth position H12   | P18 connector with screw terminals<br>NBR integrated flat gasket<br>(PE) earth position H12   |
| Housing colour   | black   | black   |
| Number of contacts   | 2+PE  | 3+PE  |
| Order no.  | <b>KA235000B4</b>   | <b>KA245000B4</b>   |
| Other options on request   |   |   |
| Cable entry  | M20 female  | M20 female  |
| Max. conductor size  | max. 1,5mm <sup>2</sup> without splice/terminal   | max. 1,5mm <sup>2</sup> without splice/terminal   |
| Drawing  |   |   |
|  | <br> | <br> |
| Technical data   |   |   |
| Pin dimension  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Rated voltage max.   | 250 V AC/DC   | 250 V AC/DC   |
| Rated current max. IEC512-3 test 5b  | 10 A  | 10 A  |
| Contact resistance   | 15mΩ max.   | 15mΩ max.   |
| Overvoltage category   | III   | III   |
| Type of termination  | screw M3  | screw M3  |
| Contact screw torque   | max. 0,5 N/m  | max. 0,5 N/m  |
| Suitable cables  |   |   |
| Mounting   | central screw M3x42   | central screw M3x42   |
| Material   |   |   |
| Contact holder material  | PA6 GF  | PA6 GF  |
| Housing material   | PA6 GF  | PA6 GF  |
| Cover material   | PA12  | PA12  |
| Environmental conditions   |   |   |
| Protection class with cable gland C111303 (EN 60529)                               | IP 65 when correctly assembled  | IP 65 when correctly assembled  |
| Pollution severity (EN 60664-1)  | 3   | 3   |
| Temperature range  | -40°C to + 100°C  | -40°C to + 100°C  |
| Inflammability class   |   |   |
| Contact holder   | HB - UL 94  | HB - UL 94  |
| Housing  | HB - UL 94  | HB - UL 94  |
| Packaging  |   |   |
| Packaging unit / Weight approx.  | 10 pieces / 0,5Kg   | 10 pieces / 0,5Kg   |
| Box dimensions   | 19 x 13 x 9 cm  | 19 x 13 x 9 cm  |
| Other accessories options  |   |   |
| to be ordered separately see pages 171-175   | Male M20 cable gland<br>suitable for cable O.D. 7....13mm<br>Order number C111303   | Male M20 cable gland<br>suitable for cable O.D. 7....13mm<br>Order number C111303   |

Form A - EN 175301-803 (DIN43650) / ISO 4400



| <b>Product description</b>                 |   |   |  |
|--|---|---|--|
| Standard                                   | Industrial standard (11 mm)   | Industrial standard (11 mm)   |  |
| Construction type                          | B   | B   |  |
| Description                                | P11 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 | P11 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 |  |
| Housing colour                             | black   | black   |  |
| Number of contacts                         | 2+PE  | 2+PE  |  |
| Order no.                                  | <b>KB132000B9</b>   | <b>KB132000B7</b>   |  |
| Other options on request                   | grey housing, order no. <b>KB132000A9</b>   |   |  |
| Cable gland                                | PG9 (M16x1,5 on request)  | PG7   |  |
| Max. conductor size                        | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  |  |
| <b>Drawing</b>                             |   |   |  |
| <b>Technical data</b>                      |   |   |  |
| Pin dimension                              | 6,3 x 0,8mm   | 6,3 x 0,8mm   |  |
| Voltage                                    | 250 V AC/DC max.  | 250 V AC/DC max.  |  |
| Rated current max.                         | 10 A (EN 60512-5-2 test 5b)   | 10 A (EN 60512-5-2 test 5b)   |  |
| Suppressor                                 |   |   |  |
| Contact resistance                         | 15mΩ max.   | 15mΩ max.   |  |
| Overvoltage category                       | III   | III   |  |
| Type of termination                        | screw M3  | screw M3  |  |
| Contact screw torque                       | max. 0,5 N/m  | max. 0,5 N/m  |  |
| Suitable cables                            | 5 mm to 7 mm diameter   | 4 mm to 6 mm diameter   |  |
| Mounting                                   | central screw M3x32,5   | central screw M3x32,5   |  |
| <b>Material</b>                            |   |   |  |
| Contact holder material                    | PA6 GF  | PA6 GF  |  |
| Housing material                           | PA6 GF  | PA6 GF  |  |
| <b>Environmental conditions</b>            |   |   |  |
| Protection class (EN 60529)                | IP 65 when correctly assembled  | IP 65 when correctly assembled  |  |
| Pollution severity (EN 60664-1)            | 3   | 3   |  |
| Temperature range                          | -40 °C to + 100 °C  | -40 °C to + 100 °C  |  |
| <b>Inflammability class</b>                |   |   |  |
| Contact holder                             | HB - UL 94  | HB - UL 94  |  |
| Housing                                    | HB - UL 94  | HB - UL 94  |  |
| Approvals                                  | VDE   |   |  |
| <b>Packaging</b>                           |   |   |  |
| Packaging unit / Weight approx.            | 500 pieces / 14,5Kg   | 500 pieces / 14,5Kg   |  |
| Box dimensions                             | 80 x 30 x 22 cm   | 80 x 30 x 22 cm   |  |
| <b>Other accessory options</b>             |   |   |  |
| to be ordered separately see pages 171-175 | NBR flat gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag              | NBR flat gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag              |  |



## Valve Connectors **KB1** series

SELF - ASSEMBLY CABLE



|  |   |   |  |  |
|--|---|---|--|--|
|  | Industrial standard (11 mm)   | Industrial standard (11 mm)   |  |  |
|  | B   | B   |  |  |
|  | P11 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 | P11 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12 |  |  |
|  | black   | black   |  |  |
|  | 2+PE  | 2+PE  |  |  |
|  | <b>KB132D10B9</b>   | <b>KB132T11B9</b>   |  |  |
|  | PG9 (M16x1,5 on request)  | PG9 (M16x1,5 on request)  |  |  |
|  | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  |  |  |
|  |   |   |  |  |
|  | 6,3 x 0,8mm   | 6,3 x 0,8mm   |  |  |
|  | 0 ... 230V DC   | 24 V AC/DC  |  |  |
|  | 4 A   | 4 A   |  |  |
|  | Diode 1A 1000V  | TVS Vbr max.=37,8V Peak=400W  |  |  |
|  | 15mΩ max.   | 15mΩ max.   |  |  |
|  | III   | III   |  |  |
|  | screw M3  | screw M3  |  |  |
|  | max. 0,5 N/m  | max. 0,5 N/m  |  |  |
|  | 5 mm to 7 mm diameter<br>central screw M3x32,5                                      | 5 mm to 7 mm diameter<br>central screw M3x32,5                                      |  |  |
|  | PA6 GF  | PA6 GF  |  |  |
|  | PA6 GF  | PA6 GF  |  |  |
|  | IP 65 when correctly assembled<br>3   | IP 65 when correctly assembled<br>3   |  |  |
|  | -40°C to + 100°C  | -40°C to + 100°C  |  |  |
|  | HB - UL 94  | HB - UL 94  |  |  |
|  | HB - UL 94  | HB - UL 94  |  |  |
|  | 100 pieces / 2,5Kg  | 100 pieces / 2,5Kg  |  |  |
|  | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |  |  |
|  | NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  |  |  |
|  | Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  |  |  |

Form B - INDUSTRIAL



| <b>Product description</b>                 |   |   |  |
|--|---|---|--|
| Standard                                   | Industrial standard (11 mm)   | Industrial standard (11 mm)   |  |
| Construction type                          | B   | B   |  |
| Description                                | P11 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and protective circuit (diode) | P11 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and TVS protective circuit (transil) |  |
| Housing colour                             | transparent   | transparent   |  |
| Number of contacts                         | 2+PE  | 2+PE  |  |
| Order no.                                  | <b>KB132D54T9</b>   | <b>KB132T54T9</b>   |  |
| Other options on request                   | led colour red<br>led colour green  | order no. <b>KB132D57T9</b><br>order no. <b>KB132D5AT9</b>  | order no. <b>KB132T57T9</b><br>order no. <b>KB132T5AT9</b> |
| Cable gland                                | PG9 (M16x1,5 on request)  | PG9 (M16x1,5 on request)  |  |
| Max. conductor size                        | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  |  |
| <b>Drawing</b>                             |   | <br>  | <br>   |
| <b>Technical data</b>                      |   |   |  |
| Pin dimension                              | 6,3 x 0,8mm   | 6,3 x 0,8mm   |  |
| Voltage                                    | 24 V DC   | 24 V AC/DC  |  |
| Rated current max.                         | 4 A   | 4 A   |  |
| Suppressor                                 | diode 1A 1000V  | TVS Vbr max.=37,8V Peak=400W  |  |
| LED colour                                 | yellow  | yellow  |  |
| Contact resistance                         | 15mΩ max.   | 15mΩ max.   |  |
| Overvoltage category                       | III   | III   |  |
| Type of termination                        | screw M3  | screw M3  |  |
| Contact screw torque                       | max. 0,5 N/m  | max. 0,5 N/m  |  |
| Suitable cables                            | 5 mm to 7 mm diameter   | 5 mm to 7 mm diameter   |  |
| Mounting                                   | central screw M3x32,5   | central screw M3x32,5   |  |
| <b>Material</b>                            |   |   |  |
| Contact holder material                    | PA6 GF  | PA6 GF  |  |
| Housing material                           | PA12  | PA12  |  |
| <b>Environmental conditions</b>            |   |   |  |
| Protection class (EN 60529)                | IP 65 when correctly assembled  | IP 65 when correctly assembled  |  |
| Pollution severity (EN 60664-1)            | 3   | 3   |  |
| Temperature range                          | -20°C to + 80°C   | -20°C to + 80°C   |  |
| <b>Inflammability class</b>                |   |   |  |
| Contact holder                             | HB - UL 94  | HB - UL 94  |  |
| Housing                                    | HB - UL 94  | HB - UL 94  |  |
| <b>Packaging</b>                           |   |   |  |
| Packaging unit / Weight approx.            | 100 pieces / 2,5Kg  | 100 pieces / 2,5Kg  |  |
| Box dimensions                             | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |  |
| <b>Other accessories options</b>           |   |   |  |
| to be ordered separately see pages 171-175 | NBR flat gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  | NBR flat gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag  |  |

## Valve Connectors **KB1** series

SELF - ASSEMBLY CABLE



|  |   |   |   |  |
|--|---|---|---|--|
|  | Industrial standard (11 mm)   | Industrial standard (11 mm)   | Industrial standard (11 mm)   |  |
|  | B   | B   | B   |  |
|  | P11 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED) | P11 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED) | P11 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED) |  |
|  | transparent   | transparent   | transparent   |  |
|  | 2+PE  | 2+PE  | 2+PE  |  |
|  | <b>KB132L34T9</b>   | <b>KB132L35T9</b>   | <b>KB132L36T9</b>   |  |
|  | order no. <b>KB132L37T9</b>   | order no. <b>KB132L38T9</b>   | order no. <b>KB132L39T9</b>   |  |
|  | order no. <b>KB132L3AT9</b>   | order no. <b>KB132L3BT9</b>   | order no. <b>KB132L3CT9</b>   |  |
|  | PG9 (M16x1,5 on request)  | PG9 (M16x1,5 on request)  | PG9 (M16x1,5 on request)  |  |
|  | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  | 1,5mm <sup>2</sup> without splice/terminal  |  |
|  |   |   |   |  |
|  | 6,3 x 0,8mm   | 6,3 x 0,8mm   | 6,3 x 0,8mm   |  |
|  | 24 V AC/DC  | 115 V AC/DC   | 230 V AC/DC   |  |
|  | 8 A   | 8 A   | 8 A   |  |
|  | yellow  | yellow  | yellow  |  |
|  | 15mΩ max.   | 15mΩ max.   | 15mΩ max.   |  |
|  | III   | III   | III   |  |
|  | screw M3  | screw M3  | screw M3  |  |
|  | max. 0,5 N/m  | max. 0,5 N/m  | max. 0,5 N/m  |  |
|  | 5 mm to 7 mm diameter   | 5 mm to 7 mm diameter   | 5 mm to 7 mm diameter   |  |
|  | central screw M3x32,5   | central screw M3x32,5   | central screw M3x32,5   |  |
|  | PA6 GF  | PA6 GF  | PA6 GF  |  |
|  | PA12  | PA12  | PA12  |  |
|  | IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled  |  |
|  | 3   | 3   | 3   |  |
|  | -20°C to + 80°C   | -20°C to + 80°C   | -20°C to + 80°C   |  |
|  | HB - UL 94  | HB - UL 94  | HB - UL 94  |  |
|  | HB - UL 94  | HB - UL 94  | HB - UL 94  |  |
|  | 100 pieces / 2,5Kg  | 100 pieces / 2,5Kg  | 100 pieces / 2,5Kg  |  |
|  | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |  |
|  | NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  | NBR flat gasket 100 pcs in bag  |  |
|  | Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  | Stainless steel screw 100 pcs in bag  |  |

Form B - INDUSTRIAL



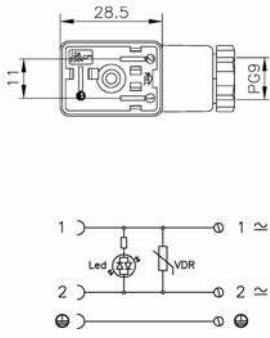
| <b>Product description</b>                 |                  |  |  |
|--|------------------|--|--|
| Standard                                   |                  | Industrial standard (11 mm)  | Industrial standard (11 mm)  |
| Construction type                          |                  | B  | B  |
| Description                                |                  | P11 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and VDR protective circuit (varistor) | P11 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and VDR protective circuit (varistor) |
| Housing colour                             |                  | transparent  | transparent  |
| Number of contacts                         |                  | 2+PE   | 2+PE   |
| Order no.                                  |                  | <b>KB132V54T9</b>  | <b>KB132V55T9</b>  |
| Other options on request                   | led colour red   | order no. <b>KB132V57T9</b>  | order no. <b>KB132V58T9</b>  |
|  | led colour green | order no. <b>KB132V5AT9</b>  | order no. <b>KB132V5BT9</b>  |
| Cable gland                                |                  | PG9 (M16x1,5 on request)   | PG9 (M16x1,5 on request)   |
| Max. conductor size                        |                  | 1,5mm <sup>2</sup> without splice/terminal   | 1,5mm <sup>2</sup> without splice/terminal   |
| <b>Drawing</b>                             |                  | <br>   | <br>   |
| <b>Technical data</b>                      |                  |  |  |
| Pin dimension                              |                  | 6,3 x 0,8mm  | 6,3 x 0,8mm  |
| Voltage                                    |                  | 24 V AC/DC   | 115 V AC/DC  |
| Rated current max.                         |                  | 5 A  | 5 A  |
| Suppressor                                 |                  | VDR 30 Vrms 0,9 Joule  | VDR 130 Vrms 4,5 Joule   |
| LED colour                                 |                  | yellow   | yellow   |
| Contact resistance                         |                  | 15mΩ max.  | 15mΩ max.  |
| Overvoltage category                       |                  | III  | III  |
| Type of termination                        |                  | screw M3   | screw M3   |
| Contact screw torque                       |                  | max. 0,5 N/m   | max. 0,5 N/m   |
| Suitable cables                            |                  | 5 mm to 7 mm diameter  | 5 mm to 7 mm diameter  |
| Mounting                                   |                  | central screw M3x32,5  | central screw M3x32,5  |
| <b>Material</b>                            |                  |  |  |
| Contact holder material                    |                  | PA6 GF   | PA6 GF   |
| Housing material                           |                  | PA12   | PA12   |
| <b>Environmental conditions</b>            |                  |  |  |
| Protection class (EN 60529)                |                  | IP 65 when correctly assembled   | IP 65 when correctly assembled   |
| Pollution severity (EN 60664-1)            |                  | 3  | 3  |
| Temperature range                          |                  | -20°C to + 80°C  | -20°C to + 80°C  |
| <b>Inflammability class</b>                |                  |  |  |
| Contact holder                             |                  | HB - UL 94   | HB - UL 94   |
| Housing                                    |                  | HB - UL 94   | HB - UL 94   |
| <b>Packaging</b>                           |                  |  |  |
| Packaging unit / Weight approx.            |                  | 100 pieces / 2,5Kg   | 100 pieces / 2,5Kg   |
| Box dimensions                             |                  | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |
| <b>Other accessories options</b>           |                  |  |  |
| to be ordered separately see pages 171-175 |                  | NBR flat gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag   | NBR flat gasket 100 pcs in bag<br>Stainless steel screw 100 pcs in bag   |

## Valve Connectors **KB1** series

SELF - ASSEMBLY CABLE



Form B - INDUSTRIAL

|   |  |  |  |
|---|--|--|--|
| Industrial standard (11 mm)   |  |  |  |
| B   |  |  |  |
| P11 connector with screw terminals<br>NBR profile gasket<br>(PE) earth position H12<br>function indicator (LED)<br>and VDR protective circuit (varistor)<br>transparent |  |  |  |
| 2+PE  |  |  |  |
| <b>KB132V56T9</b>   |  |  |  |
| order no. <b>KB132V59T9</b>   |  |  |  |
| order no. <b>KB132V5CT9</b>   |  |  |  |
| PG9 (M10x1,5 on request)  |  |  |  |
| 1,5mm <sup>2</sup> without splice/terminal  |  |  |  |
|   |  |  |  |
| 6,3 x 0,8mm   |  |  |  |
| 230 V AC/DC   |  |  |  |
| 5 A   |  |  |  |
| VDR 275 Vrms 8,6 Joule  |  |  |  |
| yellow  |  |  |  |
| 15mΩ max.   |  |  |  |
| III   |  |  |  |
| screw M3  |  |  |  |
| max. 0,5 N/m  |  |  |  |
| 5 mm to 7 mm diameter   |  |  |  |
| central screw M3x32,5   |  |  |  |
| PA6 GF  |  |  |  |
| PA12  |  |  |  |
| IP 65 when correctly assembled  |  |  |  |
| 3   |  |  |  |
| -20°C to + 80°C   |  |  |  |
| HB - UL 94  |  |  |  |
| HB - UL 94  |  |  |  |
| 100 pieces / 2,5Kg  |  |  |  |
| 29 x 15 x 18 cm   |  |  |  |
| NBR flat gasket 100 pcs in bag  |  |  |  |
| Stainless steel screw 100 pcs in bag  |  |  |  |



Form C - EN 175301-803 (DIN43650)

| <b>Product description</b>                 |  |  |  |
|--|--|--|--|
| Standard                                   | EN175301-803   | EN175301-803   |  |
| Construction type                          | C  | C  |  |
| Description                                | P8 connector with screw terminals<br>NBR flat gasket<br>(PE) earth position H6 | P8 connector with screw terminals<br>NBR flat gasket<br>(PE) earth position H6 |  |
| Housing colour                             | black  | black  |  |
| Number of contacts                         | 2+PE   | 3+PE   |  |
| Order no.                                  | <b>KC136000B7</b>  | <b>KC046000B7</b>  |  |
| Other option on request                    | order no. <b>KC135000B7</b> earth pos. H12                                     | order no. <b>KC045000B7</b> earth pos. H12                                     |  |
| Cable gland                                | PG7  | PG7  |  |
| Max. conductor size                        | 1,0mm <sup>2</sup> without splice/terminal                                     | 1,0mm <sup>2</sup> without splice/terminal                                     |  |
| <b>Drawing</b>                             |  |  |  |
|  |  |  |  |
| <b>Technical data</b>                      |  |  |  |
| Pin dimension                              | 3,6 x 0,8mm; 2,8 x 0,8mm   | 3,6 x 0,8mm; 2,8 x 0,8mm   |  |
| Voltage                                    | 250 V AC/DC max.   | 250 V AC/DC max.   |  |
| Rated current max.                         | 6 A (IEC512-3 test 5b)   | 6 A (IEC512-3 test 5b)   |  |
| Suppressor                                 |  |  |  |
| LED colour                                 |  |  |  |
| Contact resistance                         | 15mΩ max.  | 15mΩ max.  |  |
| Overvoltage category                       | III  | III  |  |
| Type of termination                        | headless screw M3  | headless screw M3  |  |
| Contact screw torque                       | max. 0,2 N/m   | max. 0,2 N/m   |  |
| Suitable cables                            | 4 mm to 6 mm diameter  | 4 mm to 6 mm diameter  |  |
| Mounting                                   | central screw M2,5x27,5  | central screw M2,5x27,5  |  |
| <b>Material</b>                            |  |  |  |
| Contact holder material                    | PA6 GF   | PA6 GF   |  |
| Housing material                           | PA6 GF   | PA6 GF   |  |
| <b>Environmental conditions</b>            |  |  |  |
| Protection class (EN 60529)                | IP 65 when correctly assembled   | IP 65 when correctly assembled   |  |
| Pollution severity (EN 60664-1)            | 3  | 3  |  |
| Temperature range                          | -40 °C to + 100 °C   | -40 °C to + 100 °C   |  |
| <b>Inflammability class</b>                |  |  |  |
| Contact holder                             | HB - UL 94   | HB - UL 94   |  |
| Housing                                    | HB - UL 94   | HB - UL 94   |  |
| <b>Packaging</b>                           |  |  |  |
| Packaging unit / Weight approx.            | 1000 pieces / Kg 13  | 1000 pieces / Kg 13  |  |
| Box dimensions                             | 80 x 30 x 22 cm  | 80 x 30 x 22 cm  |  |
| <b>Other accessory options</b>             |  |  |  |
| to be ordered separately see pages 171-175 | NBR profile gasket 100 pcs in bag  | NBR profile gasket 100 pcs in bag  |  |



## Valve Connectors **KC0 - KC1** series

SELF - ASSEMBLY CABLE



|  |  |  |  |
|--|--|--|--|
| EN175301-803   | EN175301-803   | EN175301-803   |  |
| C  | C  | C  |  |
| P8 connector with screw terminals<br>NBR flat gasket<br>(PE) earth position H6<br>and protective circuit (diode) | P8 connector with screw terminals<br>NBR flat gasket<br>(PE) earth position H6<br>function indicator (LED)<br>and protective circuit (diode) | P8 connector with screw terminals<br>NBR flat gasket<br>(PE) earth position H6<br>function indicator (LED)<br>and TVS protective circuit (transil) |  |
| black  | transparent  | transparent  |  |
| 2+PE   | 2+PE   | 2+PE   |  |
| <b>KC136D10B7</b>  | <b>KC136D54T7</b>  | <b>KC136T54T7</b>  |  |
| order no. <b>KC135D10B7</b> earth pos. H12   | order no. <b>KC136D57T7</b> (led colour red)   | order no. <b>KC136T57T7</b> (led colour red)   |  |
| PG7  | PG7  | PG7  |  |
| 1,0mm <sup>2</sup> without splice/terminal   | 1,0mm <sup>2</sup> without splice/terminal   | 1,0mm <sup>2</sup> without splice/terminal   |  |
|  |  |  |  |
| 3,6 x 0,8mm; 2,8 x 0,8mm   | 3,6 x 0,8mm; 2,8 x 0,8mm   | 3,6 x 0,8mm; 2,8 x 0,8mm   |  |
| 0...230 V DC   | 24 V DC  | 24 V AC/DC   |  |
| 4 A  | 4 A  | 4 A  |  |
| diode 1A 1000V   | diode 1A 1000V   | TVS Vbr max.=37,8V Peak=400W   |  |
| 15mΩ max.  | 15mΩ max.  | 15mΩ max.  |  |
| III  | III  | III  |  |
| headless screw M3  | headless screw M3  | headless screw M3  |  |
| max. 0,2 N/m   | max. 0,2 N/m   | max. 0,2 N/m   |  |
| 4 mm to 6 mm diameter  | 4 mm to 6 mm diameter  | 4 mm to 6 mm diameter  |  |
| central screw M2,5x27,5  | central screw M2,5x27,5  | central screw M2,5x27,5  |  |
| PA6 GF   | PA6 GF   | PA6 GF   |  |
| PA6 GF   | PA12   | PA12   |  |
| IP 65 when correctly assembled   | IP 65 when correctly assembled   | IP 65 when correctly assembled   |  |
| 3  | 3  | 3  |  |
| -40 °C to + 100 °C   | -20 °C to + 80 °C  | -20 °C to + 80 °C  |  |
| HB - UL 94   | HB - UL 94   | HB - UL 94   |  |
| HB - UL 94   | HB - UL 94   | HB - UL 94   |  |
| 200 pieces / Kg 2,5  | 200 pieces / Kg 2,6  | 200 pieces / Kg 2,6  |  |
| 29 x 15 x 18 cm  | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |  |
| NBR profile gasket 100 pcs in bag  | NBR profile gasket 100 pcs in bag  | NBR profile gasket 100 pcs in bag  |  |

Form C - EN 175301-803 (DIN43650)



Form C - EN 175301-803 (DIN43650)

| <b>Product description</b>                 |  |  |  |
|--|--|--|--|
| Standard                                   | EN175301-803   | EN175301-803   |  |
| Construction type                          | C  | C  |  |
| Description                                | P8 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED) | P8 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED) |  |
| Housing colour                             | transparent  | transparent  |  |
| Number of contacts                         | 2+PE   | 2+PE   |  |
| Order no.                                  | <b>KC136L34T7</b>  | <b>KC136L35T7</b>  |  |
| Other options on request                   | led colour red<br>order no. <b>KC136L37T7</b>  | order no. <b>KC136L38T7</b>  |  |
| Cable gland                                | PG7  | PG7  |  |
| Max. conductor size                        | 1,0mm <sup>2</sup> without splice/terminal   | 1,0mm <sup>2</sup> without splice/terminal   |  |
| <b>Drawing</b>                             |  |  |  |
|  |  |  |  |
| <b>Technical data</b>                      |  |  |  |
| Pin dimension                              | 3,6 x 0,8mm; 2,8 x 0,8mm   | 3,6 x 0,8mm; 2,8 x 0,8mm   |  |
| Voltage                                    | 24 V AC/DC   | 115 V AC/DC  |  |
| Rated current max.                         | 6 A  | 6 A  |  |
| Suppressor                                 |  |  |  |
| LED colour                                 | yellow   | yellow   |  |
| Contact resistance                         | 15mΩ max.  | 15mΩ max.  |  |
| Overvoltage category                       | III  | III  |  |
| Type of termination                        | headless screw M3  | headless screw M3  |  |
| Contact screw torque                       | max. 0,2 N/m   | max. 0,2 N/m   |  |
| Suitable cables                            | 4 mm to 6 mm diameter  | 4 mm to 6 mm diameter  |  |
| Mounting                                   | central screw M2,5x27,5  | central screw M2,5x27,5  |  |
| <b>Material</b>                            |  |  |  |
| Contact holder material                    | PA6 GF   | PA6 GF   |  |
| Housing material                           | PA12   | PA12   |  |
| <b>Environmental conditions</b>            |  |  |  |
| Protection class (EN 60529)                | IP 65 when correctly assembled   | IP 65 when correctly assembled   |  |
| Pollution severity (EN 60664-1)            | 3  | 3  |  |
| Temperature range                          | -20 °C to + 80 °C  | -20 °C to + 80 °C  |  |
| <b>Inflammability class</b>                |  |  |  |
| Contact holder                             | HB - UL 94   | HB - UL 94   |  |
| Housing                                    | HB - UL 94   | HB - UL 94   |  |
| <b>Packaging</b>                           |  |  |  |
| Packaging unit / Weight approx.            | 200 pieces / Kg 2,6  | 200 pieces / Kg 2,6  |  |
| Box dimensions                             | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |  |
| <b>Other accessory options</b>             |  |  |  |
| to be ordered separately see pages 171-175 | NBR profile gasket 100 pcs in bag  | NBR profile gasket 100 pcs in bag  |  |

## Valve Connectors **KC1** series

SELF - ASSEMBLY CABLE



| EN175301-803   | EN175301-803  | EN175301-803  | EN175301-803  |
|--|---|---|---|
| C  | C   | C   | C   |
| P8 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED) | P8 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED)<br>and VDR protective circuit (varistor) | P8 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED)<br>and VDR protective circuit (varistor) | P8 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED)<br>and VDR protective circuit (varistor) |
| transparent  | transparent   | transparent   | transparent   |
| 2+PE   | 2+PE  | 2+PE  | 2+PE  |
| <b>KC136L36T7</b>  | <b>KC136V54T7</b>   | <b>KC136V55T7</b>   | <b>KC136V56T7</b>   |
| order no. <b>KC136L39T7</b>  | order no. <b>KC136V57T7</b>   | order no. <b>KC136V58T7</b>   | order no. <b>KC136V59T7</b>   |
| PG7  | PG7   | PG7   | PG7   |
| 1,0mm <sup>2</sup> without splice/terminal   | 1,0mm <sup>2</sup> without splice/terminal  | 1,0mm <sup>2</sup> without splice/terminal  | 1,0mm <sup>2</sup> without splice/terminal  |
|  |   |   |   |
| 3,6 x 0,8mm; 2,8 x 0,8mm   | 3,6 x 0,8mm; 2,8 x 0,8mm  | 3,6 x 0,8mm ; 2,8 x 0,8mm   | 3,6 x 0,8mm ; 2,8 x 0,8mm   |
| 230 V AC/DC  | 24 V AC/DC  | 115 V AC/DC   | 230 V AC/DC   |
| 6 A  | 5 A   | 5 A   | 5 A   |
|  | VDR 30 Vrms 0,9 Joule   | VDR 130 Vrms 4,5 Joule  | VDR 275 Vrms 8,6 Joule  |
| yellow   | yellow  | yellow  | yellow  |
| 15mΩ max.  | 15mΩ max.   | 15mΩ max.   | 15mΩ max.   |
| III  | III   | III   | III   |
| headless screw M3<br>max. 0,2 N/m  | headless screw M3<br>max. 0,2 N/m   | headless screw M3<br>max. 0,2 N/m   | headless screw M3<br>max. 0,2 N/m   |
| 4 mm to 6 mm diameter<br>central screw M2,5x27,5   | 4 mm to 6 mm diameter<br>central screw M2,5x27,5  | 4 mm to 6 mm diameter<br>central screw M2,5x27,5  | 4 mm to 6 mm diameter<br>central screw M2,5x27,5  |
| PA6 GF<br>PA12   | PA6 GF<br>PA12  | PA6 GF<br>PA12  | PA6 GF<br>PA12  |
| IP 65 when correctly assembled<br>3  | IP 65 when correctly assembled<br>3   | IP 65 when correctly assembled<br>3   | IP 65 when correctly assembled<br>3   |
| -20 °C to + 80 °C  | -20 °C to + 80 °C   | -20 °C to + 80 °C   | -20 °C to + 80 °C   |
| HB - UL 94<br>HB - UL 94   | HB - UL 94<br>HB - UL 94  | HB - UL 94<br>HB - UL 94  | HB - UL 94<br>HB - UL 94  |
| 200 pieces / Kg 2,6<br>29 x 15 x 18 cm   | 200 pieces / Kg 2,6<br>29 x 15 x 18 cm  | 200 pieces / Kg 2,6<br>29 x 15 x 18 cm  | 200 pieces / Kg 2,6<br>29 x 15 x 18 cm  |
| NBR profile gasket 100 pcs in bag  | NBR profile gasket 100 pcs in bag   | NBR profile gasket 100 pcs in bag   | NBR profile gasket 100 pcs in bag   |

Form C - EN 175301-803 (DIN43650)



| <b>Product description</b>                 |  |  |      |
|--|--|--|------|
| Standard                                   | Industrial standard (9,4 mm)   | Industrial standard (9,4 mm)   |      |
| Construction type                          | C  | C  |      |
| Description                                | P9,4 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6 | P9,4 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6 |      |
| Housing colour                             | black  | black  |      |
| Number of contacts                         | 2+PE   | 3+PE   |      |
| Order no.                                  | <b>KD136000B7</b>  | <b>KD046000B7</b>  |      |
| Other options on request                   | order no. <b>KD135000B7</b> earth pos. H12                                       | order no. <b>KD045000B7</b> earth pos. H12                                       |      |
| Cable gland                                | PG7  | PG7  |      |
| Max. conductor size                        | 1,0mm <sup>2</sup> without splice/terminal                                       | 1,0mm <sup>2</sup> without splice/terminal                                       |      |
| Drawing                                    |  | <br>   | <br> |
| <b>Technical data</b>                      |  |  |      |
| Pin dimension                              | 3,6 x 0,5mm; 2,8 x 0,5mm   | 3,6 x 0,5mm; 2,8 x 0,5mm   |      |
| Voltage                                    | 250 V AC/DC max.   | 250 V AC/DC max.   |      |
| Rated current max.                         | 6 A ( IEC512-3 test 5b )   | 6 A ( IEC512-3 test 5b )   |      |
| Suppressor                                 |  |  |      |
| LED colour                                 |  |  |      |
| Contact resistance                         | 15mΩ max.  | 15mΩ max.  |      |
| Overvoltage category                       | III  | III  |      |
| Type of termination                        | headless screw M3  | headless screw M3  |      |
| Contact screw torque                       | max. 0,2 N/m   | max. 0,2 N/m   |      |
| Suitable cables                            | 4 mm to 6 mm diameter  | 4 mm to 6 mm diameter  |      |
| Mounting                                   | central screw M3x27,5  | central screw M3x27,5  |      |
| <b>Material</b>                            |  |  |      |
| Contact holder material                    | PA6 GF   | PA6 GF   |      |
| Housing material                           | PA6 GF   | PA6 GF   |      |
| <b>Environmental conditions</b>            |  |  |      |
| Protection class (EN 60529)                | IP 65 when correctly assembled   | IP 65 when correctly assembled   |      |
| Pollution severity (EN 60664-1)            | 3  | 3  |      |
| Temperature range                          | -40 °C to + 100 °C   | -40 °C to + 100 °C   |      |
| <b>Inflammability class</b>                |  |  |      |
| Contact holder                             | HB - UL 94   | HB - UL 94   |      |
| Housing                                    | HB - UL 94   | HB - UL 94   |      |
| <b>Packaging</b>                           |  |  |      |
| Packaging unit / Weight approx.            | 1000 pieces / Kg 13  | 1000 pieces / Kg 13  |      |
| Box dimensions                             | 80 x 30 x 22 cm  | 80 x 30 x 22 cm  |      |
| <b>Other accessory options</b>             |  |  |      |
| to be ordered separately see pages 171-175 | NBR profile gasket 100 pcs in bag  | NBR profile gasket 100 pcs in bag  |      |

## Valve Connectors **KD0 - KD1** series

SELF - ASSEMBLY CABLE



|  |  |  |  |  |
|--|--|--|--|--|
|  | Industrial standard (9,4 mm)   | Industrial standard (9,4 mm)   | Industrial standard (9,4 mm)   |  |
|  | C  | C  | C  |  |
|  | P9,4 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>and protective circuit (diode) | P9,4 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED)<br>and protective circuit (diode) | P9,4 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED)<br>and TVS protective circuit (transil) |  |
|  | black  | transparent  | transparent  |  |
|  | 2+PE   | 2+PE   | 2+PE   |  |
|  | <b>KD136D10B7</b>  | <b>KD136D54T7</b>  | <b>KD136T54T7</b>  |  |
|  | order no. <b>KD135D10B7</b> earth pos. H12   | order no. <b>KD136D57T7</b> (led colour red)   | order no. <b>KD136T57T7</b> (led colour red)   |  |
|  | PG7  | PG7  | PG7  |  |
|  | 1,0mm <sup>2</sup> without splice/terminal   | 1,0mm <sup>2</sup> without splice/terminal   | 1,0mm <sup>2</sup> without splice/terminal   |  |
|  |  |  |  |  |
|  | 3,6 x 0,5mm; 2,8 x 0,5mm   | 3,6 x 0,5mm; 2,8 x 0,5mm   | 3,6 x 0,5mm; 2,8 x 0,5mm   |  |
|  | 0...230 V DC   | 24 V DC  | 24 V AC/DC   |  |
|  | 4 A  | 4 A  | 4 A  |  |
|  | diode 1A 1000V   | diode 1A 1000V   | TVS Vbr max.=37,8V Peak=400W   |  |
|  | 15mΩ max.  | 15mΩ max.  | 15mΩ max.  |  |
|  | III  | III  | III  |  |
|  | headless screw M3<br>max. 0,2 N/m  | headless screw M3<br>max. 0,2 N/m  | headless screw M3<br>max. 0,2 N/m  |  |
|  | 4 mm to 6 mm diameter  | 4 mm to 6 mm diameter  | 4 mm to 6 mm diameter  |  |
|  | central screw M3x27,5  | central screw M3x27,5  | central screw M3x27,5  |  |
|  | PA6 GF   | PA6 GF   | PA6 GF   |  |
|  | PA6 GF   | PA12   | PA12   |  |
|  | IP 65 when correctly assembled   | IP 65 when correctly assembled   | IP 65 when correctly assembled   |  |
|  | 3  | 3  | 3  |  |
|  | -40 °C to + 100 °C   | -20 °C to + 80 °C  | -20 °C to + 80 °C  |  |
|  | HB - UL 94   | HB - UL 94   | HB - UL 94   |  |
|  | HB - UL 94   | HB - UL 94   | HB - UL 94   |  |
|  | 200 pieces / Kg 2,5  | 200 pieces / Kg 2,6  | 200 pieces / Kg 2,6  |  |
|  | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |  |
|  | NBR profile gasket 100 pcs in bag  | NBR profile gasket 100 pcs in bag  | NBR profile gasket 100 pcs in bag  |  |

Form C - INDUSTRIAL



| <b>Product description</b>                 |  |  |  |
|--|--|--|--|
| Standard                                   | Industrial standard (9,4 mm)   | Industrial standard (9,4 mm)   |  |
| Construction type                          | C  | C  |  |
| Description                                | P9,4 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED) | P9,4 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED) |  |
| Housing colour                             | transparent  | transparent  |  |
| Number of contacts                         | 2+PE   | 2+PE   |  |
| Order no.                                  | <b>KD136L34T7</b>  | <b>KD136L35T7</b>  |  |
| Other options on request                   | led colour red   | order no. <b>KD136L38T7</b>  |  |
| Cable gland                                | PG7  | PG7  |  |
| Max. conductor size                        | 1,0mm <sup>2</sup> without splice/terminal   | 1,0mm <sup>2</sup> without splice/terminal   |  |
| <b>Drawing</b>                             |  |  |  |
|  |  |  |  |
|  |  |  |  |
| <b>Technical data</b>                      |  |  |  |
| Pin dimension                              | 3,6 x 0,5mm; 2,8 x 0,5mm   | 3,6 x 0,5mm; 2,8 x 0,5mm   |  |
| Voltage                                    | 24 V AC/DC   | 115 V AC/DC  |  |
| Rated current max.                         | 6 A  | 6 A  |  |
| Suppressor                                 |  |  |  |
| LED colour                                 | yellow   | yellow   |  |
| Contact resistance                         | 15mΩ max.  | 15mΩ max.  |  |
| Overvoltage category                       | III  | III  |  |
| Type of termination                        | headless screw M3  | headless screw M3  |  |
| Contact screw torque                       | max. 0,2 N/m   | max. 0,2 N/m   |  |
| Suitable cables                            | 4 mm to 6 mm diameter  | 4 mm to 6 mm diameter  |  |
| Mounting                                   | central screw M3x27,5  | central screw M3x27,5  |  |
| <b>Material</b>                            |  |  |  |
| Contact holder material                    | PA6 GF   | PA6 GF   |  |
| Housing material                           | PA12   | PA12   |  |
| <b>Environmental conditions</b>            |  |  |  |
| Protection class (EN 60529)                | IP 65 when correctly assembled   | IP 65 when correctly assembled   |  |
| Pollution severity (EN 60664-1)            | 3  | 3  |  |
| Temperature range                          | -20 °C to + 80 °C  | -20 °C to + 80 °C  |  |
| <b>Inflammability class</b>                |  |  |  |
| Contact holder                             | HB - UL 94   | HB - UL 94   |  |
| Housing                                    | HB - UL 94   | HB - UL 94   |  |
| <b>Packaging</b>                           |  |  |  |
| Packaging unit / Weight approx.            | 200 pieces / Kg 2,6  | 200 pieces / Kg 2,6  |  |
| Box dimensions                             | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |  |
| <b>Other accessory options</b>             |  |  |  |
| to be ordered separately see pages 171-175 | NBR profile gasket 100 pcs in bag  | NBR profile gasket 100 pcs in bag  |  |



## Valve Connectors **KD1** series

SELF - ASSEMBLY CABLE



| Industrial standard (9,4 mm)   | Industrial standard (9,4 mm)  | Industrial standard (9,4 mm)  | Industrial standard (9,4 mm)  |
|--|---|---|---|
| C  | C   | C   | C   |
| P9,4 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED) | P9,4 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED)<br>and VDR protective circuit (varistor) | P9,4 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED)<br>and VDR protective circuit (varistor) | P9,4 connector with screw terminals<br>NBR flat gasket (PE)<br>earth position H6<br>function indicator (LED)<br>and VDR protective circuit (varistor) |
| transparent  | transparent   | transparent   | transparent   |
| 2+PE   | 2+PE  | 2+PE  | 2+PE  |
| <b>KD136L36T7</b>  | <b>KD136V54T7</b>   | <b>KD136V55T7</b>   | <b>KD136V56T7</b>   |
| order no. <b>KD136L39T7</b>  | order no. <b>KD136V57T7</b>   | order no. <b>KD136V58T7</b>   | order no. <b>KD136V59T7</b>   |
| PG7  | PG7   | PG7   | PG7   |
| 1,0mm <sup>2</sup> without splice/terminal   | 1,0mm <sup>2</sup> without splice/terminal  | 1,0mm <sup>2</sup> without splice/terminal  | 1,0mm <sup>2</sup> without splice/terminal  |
|  |   |   |   |
| 3,6 x 0,5mm; 2,8 x 0,5mm   | 3,6 x 0,5mm; 2,8 x 0,5mm  | 3,6 x 0,5mm; 2,8 x 0,5mm  | 3,6 x 0,5mm; 2,8 x 0,5mm  |
| 230 V AC/DC  | 24 V AC/DC  | 115 V AC/DC   | 230 V AC/DC   |
| 6 A  | 5 A   | 5 A   | 5 A   |
|  | VDR 30 Vrms 0,9 Joule   | VDR 130 Vrms 4,5 Joule  | VDR 275 Vrms 8,6 Joule  |
| yellow   | yellow  | yellow  | yellow  |
| 15mΩ max.  | 15mΩ max.   | 15mΩ max.   | 15mΩ max.   |
| III  | III   | III   | III   |
| headless screw M3<br>max. 0,2 N/m  | headless screw M3<br>max. 0,2 N/m   | headless screw M3<br>max. 0,2 N/m   | headless screw M3<br>max. 0,2 N/m   |
| 4 mm to 6 mm diameter  | 4 mm to 6 mm diameter   | 4 mm to 6 mm diameter   | 4 mm to 6 mm diameter   |
| central screw M3x27,5  | central screw M3x27,5   | central screw M3x27,5   | central screw M3x27,5   |
| PA6 GF   | PA6 GF  | PA6 GF  | PA6 GF  |
| PA12   | PA12  | PA12  | PA12  |
| IP 65 when correctly assembled   | IP 65 when correctly assembled  | IP 65 when correctly assembled  | IP 65 when correctly assembled  |
| 3  | 3   | 3   | 3   |
| -20 °C to + 80 °C  | -20 °C to + 80 °C   | -20 °C to + 80 °C   | -20 °C to + 80 °C   |
| HB - UL 94   | HB - UL 94  | HB - UL 94  | HB - UL 94  |
| HB - UL 94   | HB - UL 94  | HB - UL 94  | HB - UL 94  |
| 200 pieces / Kg 2,6  | 200 pieces / Kg 2,6   | 200 pieces / Kg 2,6   | 200 pieces / Kg 2,6   |
| 29 x 15 x 18 cm  | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |
| NBR profile gasket 100 pcs in bag  | NBR profile gasket 100 pcs in bag   | NBR profile gasket 100 pcs in bag   | NBR profile gasket 100 pcs in bag   |

Form C - INDUSTRIAL



Form A - EN 175301-803 (DIN43650) / ISO 4400

| <b>Product description</b>                 |  |  |
|--|--|--|
| Standard                                   | EN175301-803   | EN175301-803   |
| Construction type                          | A  | A  |
| Description                                | base with central nut M3<br>2 screws M3x10 and 1 screw M3x4<br>NBR flat gasket | base with central nut M3<br>2 screws M3x10 and 1 screw M3x4<br>NBR flat gasket |
| Housing colour                             | black  | black  |
| Number of contacts                         | 2+PE   | 3+PE   |
| Order no.                                  | <b>BA032000B0</b>  | <b>BA042000B0</b>  |
| <b>Drawing</b>                             |  |  |
|  |  |  |
| <b>Technical data</b>                      |  |  |
| Pin dimension                              | 6,3 x 0,8mm; 4,8 x 0,8mm   | 6,3 x 0,8mm; 4,8 x 0,8mm   |
| Voltage                                    | 250 V AC/DC max.   | 250 V AC/DC max.   |
| Rated current max.                         | 10 A   | 10 A   |
| Contact resistance                         | 15mΩ max.  | 15mΩ max.  |
| Type of termination                        | soldered (PE contact: screwed)   | soldered (PE contact: screwed)   |
| Max. conductor size                        | max. 1mm <sup>2</sup>  | max. 1mm <sup>2</sup>  |
| Mounting                                   | screw  | screw  |
| <b>Material</b>                            |  |  |
| Contact material                           | CuZn silver plated   | CuZn silver plated   |
| Contact holder material                    | PA6 GF   | PA6 GF   |
| <b>Environmental conditions</b>            |  |  |
| Protection class (EN 60529)                | IP 65 when correctly assembled   | IP 65 when correctly assembled   |
| Pollution severity (EN 60664-1)            | 3  | 3  |
| Temperature range                          | -40 °C to + 100 °C   | -40 °C to + 100 °C   |
| <b>Inflammability class</b>                |  |  |
| Contact holder material                    | HB - UL 94   | HB - UL 94   |
| Housing material                           | HB - UL 94   | HB - UL 94   |
| <b>Packaging</b>                           |  |  |
| Packaging unit / Weight approx.            | 200 pieces / 3Kg   | 200 pieces / 3Kg   |
| Box dimensions                             | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |
| <b>Other accessory options</b>             |  |  |
| to be ordered separately see pages 171-175 |  |  |

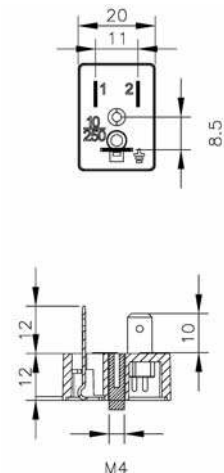
## Male Bases BA0 - BA1 - BA3 series



| EN175301-803   | EN175301-803   | EN175301-803   | EN175301-803   |
|--|--|--|--|
| A  | A  | A  | A  |
| base with central nut M3<br>4 screws M3x10 and 1 screw M3x4<br>NBR flat gasket | base with central nut M3<br>4 screws M3x10 and 1 screw M3x4<br>NBR flat gasket | base with central nut M3<br>2 screws M3x10 and 1 screw M3x4<br>NBR flat gasket | base with central nut M3<br>2 screws M3x10 and 1 screw M3x4<br>NBR flat gasket |
| black  | black  | black  | black  |
| 2+PE   | 3+PE   | 2+PE   | 3+PE   |
| <b>BA132000B0</b>  | <b>BA142000B0</b>  | <b>BA332000B0</b>  | <b>BA342000B0</b>  |
|  |  |  |  |
| 6,3 x 0,8mm; 4,8 x 0,8mm<br>250 V AC/DC max.                                   | 6,3 x 0,8mm; 4,8 x 0,8mm<br>250 V AC/DC max.                                   | 6,3 x 0,8mm; 4,8 x 0,8mm<br>250 V AC/DC max                                    | 6,3 x 0,8mm; 4,8 x 0,8mm<br>250 V AC/DC max                                    |
| 10 A   | 10 A   | 10 A   | 10 A   |
| 15mΩ max.  | 15mΩ max.  | 15mΩ max.  | 15mΩ max.  |
| soldered (PE contact: screwed)   | soldered (PE contact: screwed)   | soldered (PE contact: screwed)   | soldered (PE contact: screwed)   |
| max. 1mm <sup>2</sup>  | max. 1mm <sup>2</sup>  | max. 1mm <sup>2</sup>  | max. 1mm <sup>2</sup>  |
| screw  | screw  | screw  | screw  |
| CuZn silver plated<br>PA6 GF   | CuZn silver plated<br>PA6 GF   | CuZn silver plated<br>PA6 GF   | CuZn silver plated<br>PA6 GF   |
| IP 65 when correctly assembled<br>3  | IP 65 when correctly assembled<br>3  | IP 65 when correctly assembled<br>3  | IP 65 when correctly assembled<br>3  |
| -40 °C to + 100 °C   | -40 °C to + 100 °C   | -40 °C to + 100 °C   | -40 °C to + 100 °C   |
| HB - UL 94<br>HB - UL 94   | HB - UL 94<br>HB - UL 94   | HB - UL 94<br>HB - UL 94   | HB - UL 94<br>HB - UL 94   |
| 200 pieces / 3Kg<br>29 x 15 x 18 cm  | 200 pieces / 3Kg<br>29 x 15 x 18 cm  | 200 pieces / 3Kg<br>29 x 15 x 18 cm  | 200 pieces / 3Kg<br>29 x 15 x 18 cm  |

Form A - EN 175301-803 (DIN43650) / ISO 4400

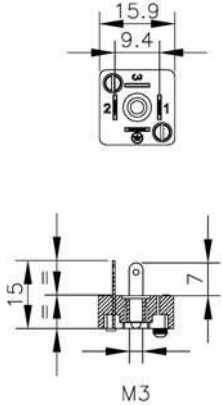
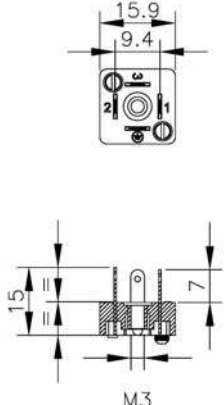


|   |  |  |  |
|---|--|--|--|
| <b>Product description</b>  |  |  |  |
| Standard  | P11 Industrial   |  |  |
| Construction type   | B Industrial   |  |  |
| Description   | base with central screw M3xM4<br>1 screw M3x6<br>NBR flat gasket |  |  |
| Housing colour  | black  |  |  |
| Number of contacts  | 2+PE   |  |  |
| Order no.   | <b>BB132000B0</b>  |  |  |
| <b>Drawing</b>  |  |  |  |
|  |  |  |  |
| <b>Technical data</b>   |  |  |  |
| Pin dimension   | 6,3 x 0,8mm  |  |  |
| Voltage   | 250 V AC/DC max.   |  |  |
| Rated current max.  | 10 A   |  |  |
| Contact resistance  | 15mΩ max.  |  |  |
| Type of termination   | soldered   |  |  |
| Max. conductor size   | max. 1mm <sup>2</sup>  |  |  |
| Mounting  | screw  |  |  |
| <b>Material</b>   |  |  |  |
| Contact material  | CuZn silver plated   |  |  |
| Contact holder material   | PA6 GF   |  |  |
| <b>Environmental conditions</b>   |  |  |  |
| Protection class (EN 60529)   | IP 65 when correctly assembled                                   |  |  |
| Pollution severity (EN 60664-1)   | 3  |  |  |
| Temperature range   | -40 °C to + 100 °C   |  |  |
| <b>Inflammability class</b>   |  |  |  |
| Contact holder material   | HB - UL 94   |  |  |
| Housing material  | HB - UL 94   |  |  |
| <b>Packaging</b>  |  |  |  |
| Packaging unit / Weight approx.   | 200 pieces / 3Kg   |  |  |
| Box dimensions  | 29 x 15 x 18 cm  |  |  |
| <b>Other accessory options</b>  |  |  |  |
| to be ordered separately see pages 171-175  |  |  |  |

## Bases **BD1** series

SELF-ASSEMBLY CABLE



|  |  |  |  |  |
|--|--|--|--|--|
|  | P9,4 Industrial  | P9,4 Industrial  |  |  |
|  | C Industrial   | C Industrial   |  |  |
|  | base with central nut M3<br>2 screws M3x8,5<br>NBR flat gasket                     | base with central nut M3<br>2 screws M3x8,5<br>NBR flat gasket                     |  |  |
|  | black  | black  |  |  |
|  | 2+PE   | 3+PE   |  |  |
|  | <b>BD132000B0</b>  | <b>BD142000B0</b>  |  |  |
|  |  |  |  |  |
|  | 3,6 x 0,5mm ; 2,8 x 0,5mm  | 3,6 x 0,5mm ; 2,8 x 0,5mm  |  |  |
|  | 250 V AC/DC max.   | 250 V AC/DC max.   |  |  |
|  | 6 A  | 6 A  |  |  |
|  | 15mΩ max.Ω   | 15mΩ max.Ω   |  |  |
|  | soldered   | soldered   |  |  |
|  | max. 0,50mm <sup>2</sup>   | max. 0,50mm <sup>2</sup>   |  |  |
|  | screw  | screw  |  |  |
|  | CuZn silver plated   | CuZn silver plated   |  |  |
|  | PA6 GF   | PA6 GF   |  |  |
|  | IP 65 when correctly assembled   | IP 65 when correctly assembled   |  |  |
|  | 3  | 3  |  |  |
|  | -40 °C to + 100 °C   | -40 °C to + 100 °C   |  |  |
|  | HB - UL 94   | HB - UL 94   |  |  |
|  | HB - UL 94   | HB - UL 94   |  |  |
|  | 400 pieces / 4Kg   | 400 pieces / 4Kg   |  |  |
|  | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |  |  |

Form C INDUSTRIAL





# Valve Connectors EN175301-803

MOULDED CABLE FREE END

| DESCRIPTION   | PAG   |
|---|---|
| <b>SERIES: MA</b>    | FORM A (contact spacing 18mm)<br>STANDARD .....56                   |
| <b>SERIES: MA</b>    | FORM A (contact spacing 18mm)<br>WITH CIRCUITS .....60              |
| <b>SERIES: MB</b>    | FORM B Industrial (contact spacing 11mm)<br>STANDARD .....72        |
| <b>SERIES: MB</b>   | FORM B Industrial (contact spacing 11mm)<br>WITH CIRCUITS .....74   |
| <b>SERIES: ME</b>  | FORM B (contact spacing 10mm)<br>STANDARD .....82                   |
| <b>SERIES: ME</b>  | FORM B (contact spacing 10mm)<br>WITH CIRCUITS .....84              |
| <b>SERIES: MC</b>  | FORM C (contact spacing 8mm)<br>STANDARD .....92                    |
| <b>SERIES: MC</b>  | FORM C (contact spacing 8mm)<br>WITH CIRCUITS .....94               |
| <b>SERIES: MD</b>  | FORM C industrial (contact spacing 9,4mm)<br>STANDARD .....98       |
| <b>SERIES: MD</b>  | FORM C industrial (contact spacing 9,4mm)<br>WITH CIRCUITS .....100 |

Index VALVE CONNECTORS MOULDED CABLE FREE END



Form A - EN 175301-803 (DIN43650) / ISO 4400

| <b>Product description</b>   |  | EN175301-803-A  | EN175301-803-A   |
|--|--|---|--|
| Standard   |  | A   | A  |
| Construction type  |  | A   | A  |
| Description  | Integrated gasket (TPU) and central fixing screw | P18 connector with moulded cable (PE) earth position H12 (opposite from cable outlet) | P18 connector with moulded cable (PE) earth position H6 (next to cable outlet) |
| Number of contacts   |  | 3 + PE  | 3 + PE   |
| Cable type   |  | H05VV-F VDE 0281-5 PVC  | H05VV-F VDE 0281-5 PVC   |
| Conductors specification   |  | 4 G 0,75 mm <sup>2</sup> PVC  | 4 G 0,75 mm <sup>2</sup> PVC   |
| Cable length   |  | 3 m   | 3 m  |
| Order no.  |  | <b>MA245000PA05300</b>  | <b>MA246000PA05300</b>   |
| Other standard options   | cable length 1m<br>cable length 5m               | order no. <b>MA245000PA05500</b>  | order no. <b>MA246000PA05500</b>   |
| Cable jacket colour  |  | black   | black  |
| Conductor colours  |  | brown - black - grey - yellow/green   | brown - black - grey - yellow/green  |
| Cable diameter +/-5%   |  | 7,3 mm  | 7,3 mm   |
| Cable temperature range  | static application<br>flexible application       | -15°C to + 70°C   | -15°C to + 70°C  |
| <b>Drawing</b>   |  |   |  |
| MA2 serie  | MA1 serie  |   |  |
|  |  |   |  |
| <b>Technical data</b>  |  |   |  |
| Pin dimension  |  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| Rated voltage max.   |  | 250 V AC/DC   | 250 V AC/DC  |
| Rated current max.   |  | 5 A   | 5 A  |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.  |
| Overvoltage category   |  | III   | III  |
| Mounting   |  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm  |
| Fixing screw torque  |  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  |
| <b>Material</b>  |  |   |  |
| Contact holder material  |  | PA6 GF  | PA6 GF   |
| Overmoulding material  |  | TPU   | TPU  |
| <b>Environmental conditions</b>                                      |  |   |  |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3  |
| <b>Inflammability class</b>  |  |   |  |
| Contact holder   |  | V0  | V0   |
| Moulded housing  |  | HB  | HB   |
| <b>Packaging</b>   |  |   |  |
| Minimum quantity   |  | 100 pcs.  | 100 pcs.   |
| Number of boxes suitable:  | 1 box<br>2 boxes<br>4 boxes                      | <b>MA245000PA05300</b><br><b>MA245000PA05500</b>                                      | <b>MA246000PA05300</b><br><b>MA246000PA05500</b>                               |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  |
| <b>Other cable options on request</b>                                |  |   |  |
| type (part number)   |  |   |  |
| Technical specifications on cables and accessories see pages 171-175 |  |   |  |

## Valve Connectors MA1 series

SELF - ASSEMBLY CABLE



| EN175301-803-A   | EN175301-803-A   | EN175301-803-A   | EN175301-803-A   |
|--|--|--|--|
| A  | A  | A  | A  |
| P18 connector with moulded cable (PE) earth in H6 and H12 position (bridged) | P18 connector with moulded cable (PE) earth in H6 and H12 position (bridged) | P18 connector with moulded cable (PE) earth in H6 and H12 position (bridged) | P18 connector with moulded cable (PE) earth in H6 and H12 position |
| 2 + PE / PE bridged  | 2 + PE / PE bridged  | 2 + PE / PE bridged  | 2 + PE / PE not connected  |
| H05VV-F VDE 0281-5 PVC   | PVC flame (IEC60332-1) and oil resistance                                    | PUR / PVC  | H03VV-F VDE 0281-5 PVC   |
| 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC   | 2 x 0,50 mm <sup>2</sup> PVC                                       |
| 3 m  | 3 m  | 3 m  | 3 m  |
| <b>MA134000PA05300</b>   | <b>MA134000PG05300</b>   | <b>MA134000PP12300</b>   | <b>MA124000PA01300</b>   |
| order no. <b>MA134000PA05100</b>   | order no. <b>MA134000PG05500</b>   | order no. <b>MA134000PP12500</b>   | order no. <b>MA124000PA01500</b>                                   |
| black  | grey RAL 7001  | black  | black  |
| brown - blue - yellow/green  | black1 - black2 - yellow/green   | brown - blue - yellow/green  | brown - blue   |
| 6,7 mm   | 6,2 mm   | 6,7 mm   | 5,0 mm   |
| -15°C to + 70°C  | -30°C to + 70°C<br>+ 5°C to + 70°C   | -40°C to + 80°C<br>-25°C to + 80°C   | -15°C to + 70°C  |
|  |  |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| 250 V AC/DC  | 250 V AC/DC  | 250 V AC/DC  | 250 V AC/DC  |
| 5 A  | 5 A  | 5 A  | 3 A  |
| 15mΩ max.  | 15mΩ max.  | 15mΩ max.  | 15mΩ max.  |
| III  | III  | III  | III  |
| central screw M3 x 25mm  | central screw M3 x 25mm  | central screw M3 x 25mm  | central screw M3 x 25mm  |
| 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  |
| PA6 GF   | PA6 GF   | PA6 GF   | PA6 GF   |
| TPU  | TPU  | TPU  | TPU  |
| IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]                                   |
| 3  | 3  | 3  | 3  |
| V0   | V0   | V0   | V0   |
| HB   | HB   | HB   | HB   |
| 100 pcs.   | 100 pcs.   | 100 pcs.   | 100 pcs.   |
| <b>MA134000PA05100</b>   | <b>MA134000PG05300</b>   | <b>MA134000PP12300</b>   | <b>MA124000PA01300</b>   |
| <b>MA134000PA05300</b>   | <b>MA134000PG05500</b>   | <b>MA134000PP12500</b>   | <b>MA124000PA01500</b>   |
| <b>MA134000PA05500</b>   | <b>MA134000PG05500</b>   | <b>MA134000PP12500</b>   | <b>MA124000PA01500</b>   |
| 13...15 Kg   | 13...15 Kg   | 13...15 Kg   | 13...15 Kg   |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| (A013) (C033; C053)  |  | (P113)   | (A052) (C032; C052)  |

Form A - EN 175301-803 (DIN43650) / ISO 4400



| <b>Product description</b>   |   |   |  |
|--|---|---|--|
| Standard   |   | EN175301-803-A  |  |
| Construction type  |   | A   |  |
| Description  |   | P18 connector with moulded cable protective circuit (diode) |  |
|  | Integrated gasket (TPU) and central fixing screw, (PE) earth in H6 and H12 position (bridged) |   |  |
| Number of contacts   |   | 2 + PE / PE bridged   |  |
| Cable type   |   | H05VV-F VDE 0281-5 PVC                                      |  |
| Conductors specification   |   | 3 G 0,75 mm <sup>2</sup> PVC                                |  |
| Cable length   |   | 3 m   |  |
| Order no.  |   | <b>MA134D10PA05300</b>                                      |  |
| Other standard options   | cable length 5m   | order no. <b>MA134D10PA05500</b>                            |  |
| Cable jacket colour  |   | black   |  |
| Conductor colours  |   | brown - blue - yellow/green                                 |  |
| Cable diameter +/-5%   |   | 6,7 mm  |  |
| Cable temperature range  | static application  | -15°C to + 70°C   |  |
|  | flexible application  |   |  |
| <b>Drawing</b>   |   |   |  |
|  |   |   |  |
| <b>Technical data</b>  |   |   |  |
| Pin dimension  |   | 6,3 x 0,8mm; 4,8 x 0,8mm                                    |  |
| Voltage  |   | 0-250 V DC  |  |
| Rated current max.   |   | 4 A   |  |
| Suppressor   |   | diode 1A 1000V  |  |
| LED colour   |   |   |  |
| Contact resistance   |   | 15mΩ max.   |  |
| Overvoltage category   |   | III   |  |
| Mounting   |   | central screw M3 x 25mm                                     |  |
| Fixing screw torque  |   | 0,3 - 0,5 N/m   |  |
| <b>Material</b>  |   |   |  |
| Contact holder material  |   | PA6 GF  |  |
| Overmoulding material  |   | TPU   |  |
| <b>Environmental conditions</b>                                      |   |   |  |
| Protection class (EN 60529)  |   | IP65 , IP67 , [IP69K DIN40050-9]                            |  |
| Pollution severity (EN 60664-1)                                      |   | 3   |  |
| <b>Inflammability class</b>  |   |   |  |
| Contact holder   |   | V0  |  |
| Moulded housing  |   | HB  |  |
| <b>Packaging</b>   |   |   |  |
| Minimum quantity   |   | 100 pieces  |  |
| Number of boxes suitable:  | 2 boxes   | <b>MA134D10PA05300</b>                                      |  |
|  | 4 boxes   | <b>MA134D10PA05500</b>                                      |  |
| Approximate weight per box   |   | 13...15 Kg  |  |
| Box dimension  |   | 39 x 39 x 19,5 cm   |  |
| <b>Other cable options on request</b>                                |   |   |  |
| type (part number)   |   | (A013) (C033; C053)   |  |
| Technical specifications on cables and accessories see pages 171-175 |   |   |  |

## Valve Connectors MA1 series

MOULDED IN CABLE



|  |  |  |  |
|--|--|--|--|
| EN175301-803-A   | EN175301-803-A   | EN175301-803-A   |  |
| A  | A  | A  |  |
| P18 connector with moulded cable circuit full bridge rectifier VDR suppressor (varistor) | P18 connector with moulded cable circuit full bridge rectifier VDR suppressor (varistor) | P18 connector with moulded cable circuit full bridge rectifier VDR suppressor (varistor) |  |
| 2 + PE / PE bridged  | 2 + PE / PE bridged  | 2 + PE / PE bridged  |  |
| H05VV-F VDE 0281-5 PVC   | H05VV-F VDE 0281-5 PVC   | H05VV-F VDE 0281-5 PVC   |  |
| 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC   |  |
| 3 m  | 3 m  | 3 m  |  |
| <b>MA134RA1PA05300</b>   | <b>MA134RA2PA05300</b>   | <b>MA134RA3PA05300</b>   |  |
| order no. <b>MA134RA1PA05500</b>   | order no. <b>MA134RA2PA05500</b>   | order no. <b>MA134RA3PA05500</b>   |  |
| black  | black  | black  |  |
| brown - blue - yellow/green  | brown - blue - yellow/green  | brown - blue - yellow/green  |  |
| 6,7 mm   | 6,7 mm   | 6,7 mm   |  |
| -15°C to + 70°C  | -15°C to + 70°C  | -15°C to + 70°C  |  |
|  |  |  |  |
| 6,3 x 0,8mm; 4,8 x 0,8mm   | 6,3 x 0,8mm; 4,8 x 0,8mm   | 6,3 x 0,8mm; 4,8 x 0,8mm   |  |
| Input 24 VAC ; Output 20 VDC   | Input 115 VAC ; Output 103 VDC   | Input 230 VAC ; Output 207 VDC   |  |
| 2 A  | 2 A  | 2 A  |  |
| VDR 30 Vrms 0,9 Joule  | VDR 130 Vrms 4,5 Joule   | VDR 275 Vrms 8,6 Joule   |  |
| 15mΩ max.  | 15mΩ max.  | 15mΩ max.  |  |
| III  | III  | III  |  |
| central screw M3 x 25mm  | central screw M3 x 25mm  | central screw M3 x 25mm  |  |
| 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  |  |
| PA6 GF   | PA6 GF   | PA6 GF   |  |
| TPU  | TPU  | TPU  |  |
| IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   |  |
| 3  | 3  | 3  |  |
| V0   | V0   | V0   |  |
| HB   | HB   | HB   |  |
| 100 pieces   | 100 pieces   | 100 pieces   |  |
| <b>MA134RA1PA05300</b>   | <b>MA134RA2PA05300</b>   | <b>MA134RA3PA05300</b>   |  |
| <b>MA134RA1PA05500</b>   | <b>MA134RA2PA05500</b>   | <b>MA134RA3PA05500</b>   |  |
| 13...15 Kg   | 13...15 Kg   | 13...15 Kg   |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |  |
| (A013) (C033; C053)  | (A013) (C033; C053)  | (A013) (C033; C053)  |  |

Form A - EN 175301-803 (DIN43650) / ISO 4400



| <b>Product description</b>   |   | EN175301-803-A   | EN175301-803-A   |
|--|---|--|--|
| Standard   |   | A  | A  |
| Construction type  |   | A  | A  |
| Description  | Integrated gasket (TPU) and central fixing screw, (PE) earth in H6 and H12 position (bridged) | P18 connector with moulded cable protective circuit (diode) function indicator (LED) | P18 connector with moulded cable TVS protective circuit (transil) function indicator (LED) |
| Number of contacts   |   | 2 + PE / PE bridged  | 2 + PE / PE bridged  |
| Cable type   |   | H05VV-F VDE 0281-5 PVC   | H05VV-F VDE 0281-5 PVC   |
| Conductors specification   |   | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC   |
| Cable length   |   | 3 m  | 3 m  |
| Order no.  |   | <b>MA634D54PA05300</b>   | <b>MA634T54PA05300</b>   |
| Other standard options   | cable length 5m,  | order no. <b>MA634D54PA05500</b>   | order no. <b>MA634T54PA05500</b>   |
| Cable jacket colour  |   | black  | black  |
| Conductor colours  |   | brown - blue - yellow/green  | brown - blue - yellow/green  |
| Cable diameter +/-5%   |   | 6,7 mm   | 6,7 mm   |
| Cable temperature range  | static application<br>flexible application  | -15°C to + 70°C  | -15°C to + 70°C  |
| <b>Drawing</b>   |   |  |  |
| <b>Technical data</b>  |   |  |  |
| Pin dimension  |   | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| Voltage  |   | 24 V DC  | 24 V AC/DC   |
| Rated current max.   |   | 4 A  | 4 A  |
| Suppressor   |   | diode 1A 1000V   | TVS Vbr max.=37,8V Peak =400W  |
| LED colour   |   | yellow   | yellow   |
| Contact resistance   |   | 15mΩ max.  | 15mΩ max.  |
| Overvoltage category   |   | III  | III  |
| Mounting   |   | central screw M3 x 28,5mm  | central screw M3 x 28,5mm  |
| Fixing screw torque  |   | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  |
| <b>Material</b>  |   |  |  |
| Contact holder material  |   | PA6 GF   | PA6 GF   |
| Overmoulding material  |   | TPU  | TPU  |
| <b>Environmental conditions</b>                                      |   |  |  |
| Protection class (EN 60529)  |   | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   |
| Pollution severity (EN 60664-1)                                      |   | 3  | 3  |
| <b>Inflammability class</b>  |   |  |  |
| Contact holder   |   | V0   | V0   |
| Moulded housing  |   | HB   | HB   |
| <b>Packaging</b>   |   |  |  |
| Minimum quantity   |   | 100 pieces   | 100 pieces   |
| Number of boxes suitable:  | 2 boxes<br>4 boxes  | <b>MA634D54PA05300</b><br><b>MA634D54PA05500</b>                                     | <b>MA634T54PA05300</b><br><b>MA634T54PA05500</b>   |
| Approximate weight per box   |   | 13...15 Kg   | 13...15 Kg   |
| Box dimension  |   | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| <b>Other cable options on request</b>                                |   |  |  |
| type (part number)   |   | (A013) (C033; C053)  | (A013) (C033; C053)  |
| Technical specifications on cables and accessories see pages 171-175 |   |  |  |



## Valve Connectors MA6 series

MOULDED IN CABLE



| EN175301-803-A   | EN175301-803-A   | EN175301-803-A   | EN175301-803-A   |
|--|--|--|--|
| A  | A  | A  | A  |
| P18 connector with moulded cable protective circuit (diode) function indicator (LED) | P18 connector with moulded cable TVS protective circuit (transil) function indicator (LED) | P18 connector with moulded cable protective circuit (diode) function indicator (LED) | P18 connector with moulded cable TVS protective circuit (transil) function indicator (LED) |
| 2 + PE / PE bridged  | 2 + PE / PE bridged  | 2 + PE / PE bridged  | 2 + PE / PE bridged  |
| PVC flame (IEC60332-1) and oil resistance  | PVC flame (IEC60332-1) and oil resistance  | PUR / PVC  | PUR / PVC  |
| 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC   |
| 3 m  | 3 m  | 3 m  | 3 m  |
| <b>MA634D54PG05300</b>   | <b>MA634T54PG05300</b>   | <b>MA634D54PP12300</b>   | <b>MA634T54PP12300</b>   |
| order no. <b>MA634D54PG05500</b>   | order no. <b>MA634T54PG05500</b>   | order no. <b>MA634D54PP12500</b>   | order no. <b>MA634T54PP12500</b>   |
| grey RAL 7001  | grey RAL 7001  | black  | black  |
| black1 - black2 - yellow/green   | black1 - black2 - yellow/green   | brown - blue - yellow/green  | brown - blue - yellow/green  |
| 6,2 mm   | 6,2 mm   | 6,7 mm   | 6,7 mm   |
| -30°C to + 70°C  | -30°C to + 70°C  | -40°C to + 80°C  | -40°C to + 80°C  |
| + 5°C to + 70°C  | + 5°C to + 70°C  | -25°C to + 80°C  | -25°C to + 80°C  |
|  |  |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| 24 V DC  | 24 V AC/DC   | 24 V DC  | 24 V AC/DC   |
| 4 A  | 4 A  | 4 A  | 4 A  |
| diode 1A 1000V   | TVS Vbr max.=37,8V Peak =400W  | diode 1A 1000V   | TVS Vbr max.=37,8V Peak =400W  |
| yellow   | yellow   | yellow   | yellow   |
| 15mΩ max.  | 15mΩ max.  | 15mΩ max.  | 15mΩ max.  |
| III  | III  | III  | III  |
| central screw M3 x 28,5mm  | central screw M3 x 28,5mm  | central screw M3 x 28,5mm  | central screw M3 x 28,5mm  |
| 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  |
| PA6 GF   | PA6 GF   | PA6 GF   | PA6 GF   |
| TPU  | TPU  | TPU  | TPU  |
| IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   |
| 3  | 3  | 3  | 3  |
| V0   | V0   | V0   | V0   |
| HB   | HB   | HB   | HB   |
| 100 pieces   | 100 pieces   | 100 pieces   | 100 pieces   |
| <b>MA634D54PG05300</b>   | <b>MA634T54PG05300</b>   | <b>MA634D54PP12300</b>   | <b>MA634T54PP12300</b>   |
| <b>MA634D54PG05500</b>   | <b>MA634T54PG05500</b>   | <b>MA634D54PP12500</b>   | <b>MA634T54PP12500</b>   |
| 13...15 Kg   | 13...15 Kg   | 13...15 Kg   | 13...15 Kg   |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
|  |  | (P113)   | (P113)   |

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

| Product description  |  | EN175301-803-A  | EN175301-803-A  |
|--|--|---|---|
| Standard   |  | EN175301-803-A  | EN175301-803-A  |
| Construction type  |  | A   | A   |
| Description  |  | P18 connector with moulded cable function indicator (LED) protective circuit (varistor) | P18 connector with moulded cable function indicator (LED) protective circuit (varistor) |
| Number of contacts   |  | 2 + PE / PE bridged   | 2 + PE / PE bridged   |
| Cable type   |  | H05VV-F VDE 0281-5 PVC  | H05VV-F VDE 0281-5 PVC  |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m   | 3 m   |
| Order no.  |  | <b>MA634V54PA05300</b>  | <b>MA634V55PA05300</b>  |
| Other standard options   | cable length 5m,                           | order no. <b>MA634V54PA05500</b>  | order no. <b>MA634V55PA05500</b>  |
| Cable jacket colour  |  | black   | black   |
| Conductor colours  |  | brown - blue - yellow/green   | brown - blue - yellow/green   |
| Cable diameter +/-5%   |  | 6,7 mm  | 6,7 mm  |
| Cable temperature range  | static application<br>flexible application | -15°C to + 70°C   | -15°C to + 70°C   |
| <b>Drawing</b>   |  |   |   |
| <b>Technical data</b>  |  |   |   |
| Pin dimension  |  | 6,3 x 0,8mm; 4,8 x 0,8mm  | 6,3 x 0,8mm; 4,8 x 0,8mm  |
| Voltage  |  | 24 V AC/DC  | 115 V AC/DC   |
| Rated current max.   |  | 5 A   | 5 A   |
| Suppressor   |  | VDR 30 Vrms 0,9 Joule   | VDR 130 Vrms 4,5 Joule  |
| LED colour   |  | yellow  | yellow  |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.   |
| Overvoltage category   |  | III   | III   |
| Mounting   |  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm   |
| Fixing screw torque  |  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |   |   |
| Contact holder material  |  | PA6 GF  | PA6 GF  |
| Overmoulding material  |  | TPU   | TPU   |
| <b>Environmental conditions</b>                                      |  |   |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3   |
| <b>Inflammability class</b>  |  |   |   |
| Contact holder   |  | V0  | V0  |
| Moulded housing  |  | HB  | HB  |
| <b>Packaging</b>   |  |   |   |
| Minimum quantity   |  | 100 pieces  | 100 pieces  |
| Number of boxes suitable :   | 2 boxes                                    | <b>MA634V54PA05300</b>  | <b>MA634V55PA05300</b>  |
|  | 4 boxes                                    | <b>MA634V54PA05500</b>  | <b>MA634V55PA05500</b>  |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Other cable options on request</b>                                |  |   |   |
| type (part number)   |  | (A013) (C033; C053)   | (A013) (C033; C053)   |
| Technical specifications on cables and accessories see pages 171-175 |  |   |   |

## Valve Connectors MA6 series

MOULDED IN CABLE



|   |   |   |   |
|---|---|---|---|
| EN175301-803-A  | EN175301-803-A  | EN175301-803-A  | EN175301-803-A  |
| A   | A   | A   | A   |
| P18 connector with moulded cable function indicator (LED) protective circuit (varistor) | P18 connector with moulded cable function indicator (LED) protective circuit (varistor) | P18 connector with moulded cable function indicator (LED) protective circuit (varistor) | P18 connector with moulded cable function indicator (LED) protective circuit (varistor) |
| 2 + PE / PE bridged   | 2 + PE / PE bridged   | 2 + PE / PE bridged   | 2 + PE / PE bridged   |
| H05VV-F VDE 0281-5 PVC  | PVC flame ( IEC60332-1 ) and oil resistance   | PVC flame ( IEC60332-1 ) and oil resistance   | PVC flame ( IEC60332-1 ) and oil resistance   |
| 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC  |
| 3 m   | 3 m   | 3 m   | 3 m   |
| <b>MA634V56PA05300</b>  | <b>MA634V54PG05300</b>  | <b>MA634V55PG05300</b>  | <b>MA634V56PG05300</b>  |
| order no. <b>MA634V56PA05500</b>  | order no. <b>MA634V54PG05500</b>  | order no. <b>MA634V55PG05500</b>  | order no. <b>MA634V56PG05500</b>  |
| black   | grey RAL 7001   | grey RAL 7001   | grey RAL 7001   |
| brown - blue - yellow/green   | black1 - black2 - yellow/green  | black1 - black2 - yellow/green  | black1 - black2 - yellow/green  |
| 6,7 mm  | 6,2 mm  | 6,2 mm  | 6,2 mm  |
| -15°C to + 70°C   | -30°C to + 70°C<br>+ 5°C to + 70°C  | -30°C to + 70°C<br>+ 5°C to + 70°C  | -30°C to + 70°C<br>+ 5°C to + 70°C  |
|   |   |   |   |
| 6,3 x 0,8mm; 4,8 x 0,8mm  | 6,3 x 0,8mm; 4,8 x 0,8mm  | 6,3 x 0,8mm; 4,8 x 0,8mm  | 6,3 x 0,8mm; 4,8 x 0,8mm  |
| 230 V AC/DC   | 24 V AC/DC  | 115 V AC/DC   | 230 V AC/DC   |
| 5 A   | 5 A   | 5 A   | 5 A   |
| VDR 275 Vrms 8,6 Joule  | VDR 30 Vrms 0,9 Joule   | VDR 130 Vrms 4,5 Joule  | VDR 275 Vrms 8,6 Joule  |
| yellow  | yellow  | yellow  | yellow  |
| 15mΩ max.   | 15mΩ max.   | 15mΩ max.   | 15mΩ max.   |
| III   | III   | III   | III   |
| central screw M3 x 28,5mm   | central screw M3 x 28,5mm   | central screw M3 x 28,5mm   | central screw M3 x 28,5mm   |
| 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   |
| PA6 GF  | PA6 GF  | PA6 GF  | PA6 GF  |
| TPU   | TPU   | TPU   | TPU   |
| IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |
| 3   | 3   | 3   | 3   |
| V0  | V0  | V0  | V0  |
| HB  | HB  | HB  | HB  |
| 100 pieces  | 100 pieces  | 100 pieces  | 100 pieces  |
| <b>MA634V56PA05300</b>  | <b>MA634V54PG05300</b>  | <b>MA634V55PG05300</b>  | <b>MA634V56PG05300</b>  |
| <b>MA634V56PA05500</b>  | <b>MA634V54PG05500</b>  | <b>MA634V55PG05500</b>  | <b>MA634V56PG05500</b>  |
| 13...15 Kg  | 13...15 Kg  | 13...15 Kg  | 13...15 Kg  |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| (A013) (C033; C053)   |   |   |   |

Form A - EN 175301-803 (DIN43650) / ISO 4400



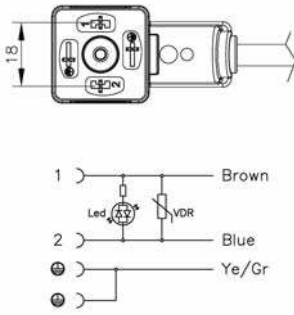
Form A - EN 175301-803 (DIN43650) / ISO 4400

| <b>Product description</b>   |  |   |   |
|--|--|---|---|
| Standard   |  | EN175301-803-A  | EN175301-803-A  |
| Construction type  |  | A   | A   |
| Description  | Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged) | P18 connector with moulded cable function indicator (LED) protective circuit (varistor) | P18 connector with moulded cable function indicator (LED) protective circuit (varistor) |
| Number of contacts   |  | 2 + PE / PE bridged   | 2 + PE / PE bridged   |
| Cable type   |  | PUR / PVC   | PUR / PVC   |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m   | 3 m   |
| Order no.  |  | <b>MA634V54PP12300</b>  | <b>MA634V55PP12300</b>  |
| Other standard options   | cable length 5m,   | order no. <b>MA634V54PP12500</b>  | order no. <b>MA634V55PP12500</b>  |
| Cable jacket colour  |  | black   | black   |
| Conductor colours  |  | brown - blue - yellow/green   | brown - blue - yellow/green   |
| Cable diameter +/-5%   |  | 6,7 mm  | 6,7 mm  |
| Cable temperature range  | static application   | -40°C to + 80°C   | -40°C to + 80°C   |
|  | flexible application   | -25°C to + 80°C   | -25°C to + 80°C   |
| <b>Drawing</b>   |  |   |   |
| <b>Technical data</b>  |  |   |   |
| Pin dimension  |  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Voltage  |  | 24 V AC/DC  | 115 V AC/DC   |
| Rated current max.   |  | 5 A   | 5 A   |
| Suppressor   |  | VDR 30 Vrms 0,9 Joule   | VDR 130 Vrms 4,5 Joule  |
| LED colour   |  | yellow  | yellow  |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.   |
| Overvoltage category   |  | III   | III   |
| Mounting   |  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm   |
| Fixing screw torque  |  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |   |   |
| Contact holder material  |  | PA6 GF  | PA6 GF  |
| Overmoulding material  |  | TPU   | TPU   |
| <b>Environmental conditions</b>                                      |  |   |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3   |
| <b>Inflammability class</b>  |  |   |   |
| Contact holder   |  | V0  | V0  |
| Moulded housing  |  | HB  | HB  |
| <b>Packaging</b>   |  |   |   |
| Minimum quantity   |  | 100 pieces  | 100 pieces  |
| Number of boxes suitable:  | 2 boxes  | <b>MA634V54PP12300</b>  | <b>MA634V55PP12300</b>  |
|  | 4 boxes  | <b>MA634V54PP12500</b>  | <b>MA634V55PP12500</b>  |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Other cable options on request</b>                                |  |   |   |
| type (part number)   |  | (P113)  | (P113)  |
| Technical specifications on cables and accessories see pages 171-175 |  |   |   |

## Valve Connectors **MA6** series

MOULDED IN CABLE



|   |  |  |  |
|---|--|--|--|
| EN175301-803-A  |  |  |  |
| A   |  |  |  |
| P18 connector with moulded cable  |  |  |  |
| function indicator (LED)  |  |  |  |
| protective circuit (varistor)   |  |  |  |
| 2 + PE / PE bridged   |  |  |  |
| PUR / PVC   |  |  |  |
| 3 G 0,75 mm <sup>2</sup> PVC  |  |  |  |
| 3 m   |  |  |  |
| <b>MA634V56PP12300</b>  |  |  |  |
| order no. <b>MA634V56PP12500</b>  |  |  |  |
| black   |  |  |  |
| brown - blue - yellow/green   |  |  |  |
| 6,7 mm  |  |  |  |
| -40°C to + 80°C   |  |  |  |
| -25°C to + 80°C   |  |  |  |
|  |  |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm   |  |  |  |
| 230 V AC/DC   |  |  |  |
| 5 A   |  |  |  |
| VDR 275 Vrms 8,6 Joule  |  |  |  |
| yellow  |  |  |  |
| 15mΩ max.   |  |  |  |
| III   |  |  |  |
| central screw M3 x 28,5mm   |  |  |  |
| 0,3 - 0,5 N/m   |  |  |  |
| PA6 GF  |  |  |  |
| TPU   |  |  |  |
| IP65 , IP67 , [IP69K DIN40050-9]  |  |  |  |
| 3   |  |  |  |
| V0  |  |  |  |
| HB  |  |  |  |
| 100 pieces  |  |  |  |
| <b>MA634V56PP12300</b>  |  |  |  |
| <b>MA634V56PP12500</b>  |  |  |  |
| 13...15 Kg  |  |  |  |
| 39 x 39 x 19,5 cm   |  |  |  |
| (P113)  |  |  |  |

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

| Product description  |  | EN175301-803-A  | EN175301-803-A   |
|--|--|---|--|
| Standard   |  | A   | A  |
| Construction type  |  | A   | A  |
| Description  | Integrated gasket (TPU) and central fixing screw | P18 connector with moulded cable (PE) earth in H12 position<br>function indicator bi-color LED for pressure switch device | P18 connector with moulded cable (PE) earth in H6 position<br>function indicator bi-color LED for pressure switch device |
| Number of contacts   |  | 3 + PE  | 3 + PE   |
| Cable type   |  | CEI 2022 II O.R. PVC  | CEI 2022 II O.R. PVC   |
| Conductors specification   |  | 5 G 0,75 mm <sup>2</sup> PVC  | 5 G 0,75 mm <sup>2</sup> PVC   |
| Cable length   |  | 3 m   | 3 m  |
| Order no.  |  | <b>MA635P3YPC04300</b>  | <b>MA636P3YPC04300</b>   |
| Other standard options   | cable length 5m                                  | order no. <b>MA635P3YPC04500</b>  | order no. <b>MA636P3YPC04500</b>   |
| Cable jacket colour  |  | grey RAL7035  | grey RAL7035   |
| Conductor colours  |  | brown - blue - black - grey<br>yellow/green   | brown - blue - black - grey<br>yellow/green  |
| Cable diameter +/-5%   |  | 6,8 mm  | 6,8 mm   |
| Cable temperature range  | static application<br>flexible application       | -15°C to + 70°C   | -15°C to + 70°C  |
| <b>Drawing</b>   |  |   |  |
| <b>Technical data</b>  |  |   |  |
| Pin dimension  |  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| Voltage  |  | 24 V AC/DC  | 24 V AC/DC   |
| Rated current max.   |  | 5 A   | 5 A  |
| Suppressor   |  |   |  |
| LED colour   |  | yellow (pin 2) green (pin 3)  | yellow (pin 2) green (pin 3)   |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.  |
| Overvoltage category   |  | III   | III  |
| Mounting   |  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm  |
| Fixing screw torque  |  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  |
| <b>Material</b>  |  |   |  |
| Contact holder material  |  | PA6 GF  | PA6 GF   |
| Overmoulding material  |  | TPU   | TPU  |
| <b>Environmental conditions</b>                                      |  |   |  |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3  |
| Inflammability class   |  |   |  |
| Contact holder   |  | V0  | V0   |
| Moulded housing  |  | HB  | HB   |
| <b>Packaging</b>   |  |   |  |
| Minimum quantity   |  | 100 pieces  | 100 pieces   |
| Number of boxes suitable:  | 2 boxes  | <b>MA635P3YPC04300</b>  | <b>MA636P3YPC04300</b>   |
|  | 4 boxes  | <b>MA635P3YPC04500</b>  | <b>MA636P3YPC04500</b>   |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  |
| <b>Other cable options on request</b>                                |  |   |  |
| type (part number)   |  |   |  |
| Technical specifications on cables and accessories see pages 171-175 |  |   |  |



## Valve Connectors MA6 series

MOULDED IN CABLE



| EN175301-803-A   | EN175301-803-A  | EN175301-803-A   |  |
|--|---|--|--|
| A  | A   | A  |  |
| P18 connector with moulded cable (PE) earth in H12 position function indicator bi-color LED for pressure switch device | P18 connector with moulded cable (PE) earth in H6 position function indicator bi-color LED for pressure switch device | P18 connector with moulded cable (PE) earth in H6 and H12 position (bridged) function indicator (LED) and mosfet circuit (solid state relay) |  |
| 3 + PE   | 3 + PE  | 2 + PE / PE bridged  |  |
| PVC flame (IEC60332-1) and oil resistance  | PVC flame (IEC60332-1) and oil resistance   | PVC flame (IEC60332-1) and oil resistance  |  |
| 5 G 0,75 mm <sup>2</sup> PVC   | 5 G 0,75 mm <sup>2</sup> PVC  | 4 G 0,75 mm <sup>2</sup> PVC   |  |
| 3 m  | 3 m   | 3 m  |  |
| <b>MA635P3YPG05300</b>   | <b>MA636P3YPG05300</b>  | <b>MA644A54PG05300</b>   |  |
| order no. <b>MA635P3YPG05500</b>   | order no. <b>MA636P3YPG05500</b>  | order no. <b>MA644A54PG05500</b>   |  |
| grey RAL7001   | grey RAL7001  | grey RAL7001   |  |
| black1 - black2 - black3 - black4  | black1 - black2 - black3 - black4   | black1 - black2 - black3   |  |
| yellow/green   | yellow/green  | yellow/green   |  |
| 7,3 mm   | 7,3 mm  | 6,7 mm   |  |
| -30°C to + 70°C  | -30°C to + 70°C   | -30°C to + 70°C  |  |
| + 5°C to + 70°C  | + 5°C to + 70°C   | + 5°C to + 70°C  |  |
|  |   |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm  |  |
| 24 V AC/DC   | 24 V AC/DC  | 24 V DC  |  |
| 5 A  | 5 A   | 2 A  |  |
| yellow (pin 2) green (pin 3)   | yellow (pin 2) green (pin 3)  | yellow   |  |
| 15mΩ max.  | 15mΩ max.   | 15mΩ max.  |  |
| III  | III   | III  |  |
| central screw M3 x 28,5mm  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm  |  |
| 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  |  |
| PA6 GF   | PA6 GF  | PA6 GF   |  |
| TPU  | TPU   | TPU  |  |
| IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   |  |
| 3  | 3   | 3  |  |
| V0   | V0  | V0   |  |
| HB   | HB  | HB   |  |
| 100 pieces   | 100 pieces  | 100 pieces   |  |
| <b>MA635P3YPG05300</b>   | <b>MA636P3YPG05300</b>  | <b>MA644A54PG05300</b>   |  |
| <b>MA635P3YPG05500</b>   | <b>MA636P3YPG05500</b>  | <b>MA644A54PG05600</b>   |  |
| 13...15 Kg   | 13...15 Kg  | 13...15 Kg   |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  |  |

Form A - EN 175301-803 (DIN43650) / ISO 4400



Form A - EN 175301-803 (DIN43650) / ISO 4400

| Product description  |  | EN175301-803-A  | EN175301-803-A  |
|--|--|---|---|
| Standard   |  | EN175301-803-A  | EN175301-803-A  |
| Construction type  |  | A   | A   |
| Description  | Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged) | P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor) | P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor) |
| Number of contacts   |  | 2 + PE / PE bridged   | 2 + PE / PE bridged   |
| Cable type   |  | H05VV-F VDE 0281-5 PVC  | H05VV-F VDE 0281-5 PVC  |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m   | 3 m   |
| Order no.  |  | <b>MA634RB4PA05300</b>  | <b>MA634RB5PA05300</b>  |
| Other standard options   | cable length 5m,   | order no. <b>MA634RB4PA05500</b>  | order no. <b>MA634RB5PA05500</b>  |
| Cable jacket colour  |  | black   | black   |
| Conductor colours  |  | brown - blue - yellow/green   | brown - blue - yellow/green   |
| Cable diameter +/-5%   |  | 6,7 mm  | 6,7 mm  |
| Cable temperature range  | static application<br>flexible application   | -15°C to + 70°C   | -15°C to + 70°C   |
| <b>Drawing</b>   |  |   |   |
| <b>Technical data</b>  |  |   |   |
| Pin dimension  |  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Voltage  |  | Input 24 VAC ; Output 20 VDC  | Input 115 VAC ; Output 103 VDC  |
| Rated current max.   |  | 2 A   | 2 A   |
| Suppressor   |  | VDR 30 Vrms 0,9 Joule   | VDR 130 Vrms 4,5 Joule  |
| LED colour   |  | yellow  | yellow  |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.   |
| Overvoltage category   |  | III   | III   |
| Mounting   |  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm   |
| Fixing screw torque  |  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |   |   |
| Contact holder material  |  | PA6 GF  | PA6 GF  |
| Overmoulding material  |  | TPU   | TPU   |
| <b>Environmental conditions</b>                                      |  |   |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3   |
| Inflammability class   |  |   |   |
| Contact holder   |  | V0  | V0  |
| Moulded housing  |  | HB  | HB  |
| <b>Packaging</b>   |  |   |   |
| Minimum quantity   |  | 100 pieces  | 100 pieces  |
| Number of boxes suitable :   | 2 boxes  | <b>MA634RB4PA05300</b>  | <b>MA634RB5PA05300</b>  |
|  | 4 boxes  | <b>MA634RB4PA05500</b>  | <b>MA634RB5PA05500</b>  |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Other cable options on request</b>                                |  |   |   |
| type (part number)   |  | (A013) (C033; C053)<br>(P113) (P123)  | (A013) (C033; C053)<br>(P113) (P123)  |
| Technical specifications on cables and accessories see pages 171-175 |  |   |   |

## Valve Connectors MA6 series

MOULDED IN CABLE



|   |   |   |   |
|---|---|---|---|
| EN175301-803-A  | EN175301-803-A  | EN175301-803-A  | EN175301-803-A  |
| A   | A   | A   | A   |
| P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor) | P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor) | P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor) | P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor) |
| 2 + PE / PE bridged   | 2 + PE / PE bridged   | 2 + PE / PE bridged   | 2 + PE / PE bridged   |
| H05VV-F VDE 0281-5 PVC  | PVC flame (IEC60332-1) and oil resistance   | PVC flame (IEC60332-1) and oil resistance   | PVC flame (IEC60332-1) and oil resistance   |
| 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC  |
| 3 m   | 3 m   | 3 m   | 3 m   |
| <b>MA634RB6PA05300</b>  | <b>MA634RB4PG05300</b>  | <b>MA634RB5PG05300</b>  | <b>MA634RB6PG05300</b>  |
| order no. <b>MA634RB6PA05500</b>  | order no. <b>MA634RB4PG05500</b>  | order no. <b>MA634RB5PG05500</b>  | order no. <b>MA634RB6PG05500</b>  |
| black   | grey RAL 7001   | grey RAL 7001   | grey RAL 7001   |
| brown - blue - yellow/green   | black1 - black2 - yellow/green  | black1 - black2 - yellow/green  | black1 - black2 - yellow/green  |
| 6,7 mm  | 6,2 mm  | 6,2 mm  | 6,2 mm  |
| -15°C to + 70°C   | -30°C to + 70°C   | -30°C to + 70°C   | -30°C to + 70°C   |
|   | + 5°C to + 70°C   | + 5°C to + 70°C   | + 5°C to + 70°C   |
|   |   |   |   |
| 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Input 230 VAC ; Output 207 VDC  | Input 24 VAC ; Output 20 VDC  | Input 115 VAC ; Output 103 VDC  | Input 230 VAC ; Output 207 VDC  |
| 2 A   | 2 A   | 2 A   | 2 A   |
| VDR 275 Vrms 8,6 Joule  | VDR 30 Vrms 0,9 Joule   | VDR 130 Vrms 4,5 Joule  | VDR 275 Vrms 8,6 Joule  |
| yellow  | yellow  | yellow  | yellow  |
| 15mΩ max.   | 15mΩ max.   | 15mΩ max.   | 15mΩ max.   |
| III   | III   | III   | III   |
| central screw M3 x 28,5mm   | central screw M3 x 28,5mm   | central screw M3 x 28,5mm   | central screw M3 x 28,5mm   |
| 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   |
| PA6 GF  | PA6 GF  | PA6 GF  | PA6 GF  |
| TPU   | TPU   | TPU   | TPU   |
| IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |
| 3   | 3   | 3   | 3   |
| VO  | VO  | VO  | VO  |
| HB  | HB  | HB  | HB  |
| 100 pieces  | 100 pieces  | 100 pieces  | 100 pieces  |
| <b>MA634RB6PA05300</b>  | <b>MA634RB4PG05300</b>  | <b>MA634RB5PG05300</b>  | <b>MA634RB6PG05300</b>  |
| <b>MA634RB6PA05500</b>  | <b>MA634RB4PG05500</b>  | <b>MA634RB5PG05500</b>  | <b>MA634RB6PG05500</b>  |
| 13...15 Kg  | 13...15 Kg  | 13...15 Kg  | 13...15 Kg  |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| (A013) (C033; C053)   | (G033)  | (G033)  | (G033)  |
| (P113) (P123)   |   |   |   |

Form A - EN 175301-803 (DIN43650) / ISO 4400



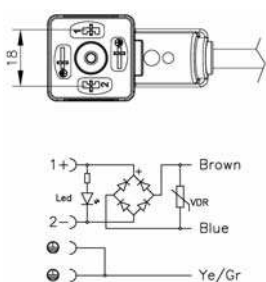
Form A - EN 175301-803 (DIN43650) / ISO 4400

| <b>Product description</b>   |  | EN175301-803-A  | EN175301-803-A  |
|--|--|---|---|
| Standard   |  | EN175301-803-A  | EN175301-803-A  |
| Construction type  |  | A   | A   |
| Description  | Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged) | P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor) | P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor) |
| Number of contacts   |  | 2 + PE / PE bridged   | 2 + PE / PE bridged   |
| Cable type   |  | PUR / PVC   | PUR / PVC   |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m   | 3 m   |
| Order no.  |  | <b>MA634RB4PP12300</b>  | <b>MA634RB5PP12300</b>  |
| Other standard options   | cable length 5m,   | order no. <b>MA634RB4PP12500</b>  | order no. <b>MA634RB5PP12500</b>  |
| Cable jacket colour  |  | black   | black   |
| Conductor colours  |  | brown - blue - yellow/green   | brown - blue - yellow/green   |
| Cable diameter +/-5%   |  | 6,7 mm  | 6,7 mm  |
| Cable temperature range  | static application   | -40°C to + 80°C   | -40°C to + 80°C   |
|  | flexible application   | -25°C to + 80°C   | -25°C to + 80°C   |
| <b>Drawing</b>   |  |   |   |
| <b>Technical data</b>  |  |   |   |
| Pin dimension  |  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Voltage  |  | Input 24 VAC ; Output 20 VDC  | Input 115 VAC ; Output 103 VDC  |
| Rated current max.   |  | 2 A   | 2 A   |
| Suppressor   |  | VDR 30 Vrms 0,9 Joule   | VDR 130 Vrms 4,5 Joule  |
| LED colour   |  | yellow  | yellow  |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.   |
| Overvoltage category   |  | III   | III   |
| Mounting   |  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm   |
| Fixing screw torque  |  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |   |   |
| Contact holder material  |  | PA6 GF  | PA6 GF  |
| Overmoulding material  |  | TPU   | TPU   |
| <b>Environmental conditions</b>                                      |  |   |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3   |
| Inflammability class   |  |   |   |
| Contact holder   |  | V0  | V0  |
| Moulded housing  |  | HB  | HB  |
| <b>Packaging</b>   |  |   |   |
| Minimum quantity   |  | 100 pieces  | 100 pieces  |
| Number of boxes suitable :   | 2 boxes  | <b>MA634RB4PP12300</b>  | <b>MA634RB5PP12300</b>  |
|  | 4 boxes  | <b>MA634RB4PP12500</b>  | <b>MA634RB5PP12500</b>  |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Other cable options on request</b>                                |  |   |   |
| type (part number)   |  | (P113)  | (P113)  |
| Technical specifications on cables and accessories see pages 171-175 |  |   |   |

## Valve Connectors **MA6** series

MOULDED IN CABLE



|   |  |  |  |
|---|--|--|--|
| EN175301-803-A  |  |  |  |
| A   |  |  |  |
| P18 connector with moulded cable circuit full bridge rectifier with LED indicator and VDR suppressor (varistor) |  |  |  |
| 2 + PE / PE bridged   |  |  |  |
| PUR / PVC   |  |  |  |
| 3 G 0,75 mm <sup>2</sup> PVC  |  |  |  |
| 3 m   |  |  |  |
| <b>MA634RB6PP12300</b>  |  |  |  |
| order no. <b>MA634RB6PP12500</b>  |  |  |  |
| black   |  |  |  |
| brown - blue - yellow/green   |  |  |  |
| 6,7 mm  |  |  |  |
| -40°C to + 80°C   |  |  |  |
| -25°C to + 80°C   |  |  |  |
|                              |  |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm   |  |  |  |
| Input 230 VAC ; Output 207 VDC  |  |  |  |
| 2 A   |  |  |  |
| VDR 275 Vrms 8,6 Joule  |  |  |  |
| yellow  |  |  |  |
| 15mΩ max.   |  |  |  |
| III   |  |  |  |
| central screw M3 x 28,5mm   |  |  |  |
| 0,3 - 0,5 N/m   |  |  |  |
| PA6 GF  |  |  |  |
| TPU   |  |  |  |
| IP65 , IP67 , [IP69K DIN40050-9]  |  |  |  |
| 3   |  |  |  |
| V0  |  |  |  |
| HB  |  |  |  |
| 100 pieces  |  |  |  |
| <b>MA634RB6PP12300</b>  |  |  |  |
| <b>MA634RB6PP12500</b>  |  |  |  |
| 13...15 Kg  |  |  |  |
| 39 x 39 x 19,5 cm   |  |  |  |
| (P113)  |  |  |  |

Form A - EN 175301-803 (DIN43650) / ISO 4400



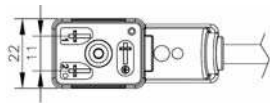
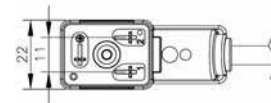
| Product description  |  | Industrial standard (11 mm)  | Industrial standard (11 mm)   |
|--|--|--|---|
| Standard   |  | B  | B   |
| Construction type  |  | B  | B   |
| Description  | Integrated gasket (TPU) and central fixing screw | P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) | P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) |
| Number of contacts   |  | 2 + PE   | 2 + PE  |
| Cable type   |  | H05VV-F VDE 0281-5 PVC   | H05VV-F VDE 0281-5 PVC  |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m  | 3 m   |
| Order no.  |  | <b>MB136000PA05300</b>   | <b>MB135000PA05300</b>  |
| Other standard options   | cable length 1m<br>cable length 5m               | order no. <b>MB136000PA05100</b><br>order no. <b>MB136000PA05500</b>     | order no. <b>MB135000PA05100</b><br>order no. <b>MB135000PA05500</b>            |
| Cable jacket colour  |  | black  | black   |
| Conductor colours  |  | brown - blue - yellow/green  | brown - blue - yellow/green   |
| Cable diameter +/-5%   |  | 6,7 mm   | 6,7 mm  |
| Cable temperature range  | static application<br>flexible application       | -15°C to + 70°C  | -15°C to + 70°C   |
| Drawing  |  |  |   |
| Technical data   |  | <p>1 — Brown</p> <p>2 — Blue</p> <p>⊕ — Ye/Gr</p>                        | <p>1 — Brown</p> <p>2 — Blue</p> <p>⊕ — Ye/Gr</p>                               |
| Pin dimension  |  | 6,3 x 0,8mm  | 6,3 x 0,8mm   |
| Rated voltage max.   |  | 250 V AC/DC  | 250 V AC/DC   |
| Rated current max.   |  | 5 A  | 5 A   |
| Suppressor   |  |  |   |
| LED colour   |  |  |   |
| Contact resistance   |  | 15mΩ max.  | 15mΩ max.   |
| Overvoltage category   |  | III  | III   |
| Mounting   |  | central screw M3 x 25mm  | central screw M3 x 25mm   |
| Fixing screw torque  |  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   |
| Material   |  |  |   |
| Contact holder material  |  | PA6 GF   | PA6 GF  |
| Overmoulding material  |  | TPU  | TPU   |
| Environmental conditions   |  |  |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3   |
| Inflammability class   |  |  |   |
| Contact holder   |  | V0   | V0  |
| Moulded housing  |  | HB   | HB  |
| Packaging  |  |  |   |
| Minimum quantity   |  | 100 pcs.   | 100 pcs.  |
| Number of boxes suitable :   | 1 box  | <b>MB136000PA05100</b>   | <b>MB135000PA05100</b>  |
|  | 2 boxes  | <b>MB136000PA05300</b>   | <b>MB135000PA05300</b>  |
|  | 4 boxes  | <b>MB136000PA05500</b>   | <b>MB135000PA05500</b>  |
| Approximate weight per box   |  | 13....15 Kg  | 13....15 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |
| Other cable options on request                                       |  |  |   |
| type (part number)   |  | (A012; A013) (C033; C053)  | (A012; A013) (C033; C053)   |
| Technical specifications on cables and accessories see pages 171-175 |  |  |   |

## Valve Connectors **MB1** series

MOULDED IN CABLE



Form B - INDUSTRIAL

|  |   |   |  |  |
|--|---|---|--|--|
|  | Industrial standard (11 mm)   | Industrial standard (11 mm)   |  |  |
|  | B   | B   |  |  |
|  | P11 connector with moulded cable (PE) earth in H6 (next to cable outlet)            | P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet)     |  |  |
|  | 2 + PE  | 2 + PE  |  |  |
|  | PUR / PVC   | PUR / PVC   |  |  |
|  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC  |  |  |
|  | 3 m   | 3 m   |  |  |
|  | <b>MB136000PP12300</b>  | <b>MB135000PP12300</b>  |  |  |
|  | order no. <b>MB136000PP12500</b>  | order no. <b>MB135000PP12500</b>  |  |  |
|  | black   | black   |  |  |
|  | brown - blue - yellow/green   | brown - blue - yellow/green   |  |  |
|  | 6,7 mm  | 6,7 mm  |  |  |
|  | -40°C to + 80°C   | -40°C to + 80°C   |  |  |
|  | -25°C to + 80°C   | -25°C to + 80°C   |  |  |
|  |  |  |  |  |
|  | 6,3 x 0,8mm   | 6,3 x 0,8mm   |  |  |
|  | 250 V AC/DC   | 250 V AC/DC   |  |  |
|  | 5 A   | 5 A   |  |  |
|  |   |   |  |  |
|  | 15mΩ max.   | 15mΩ max.   |  |  |
|  | III   | III   |  |  |
|  | central screw M3 x 25mm   | central screw M3 x 25mm   |  |  |
|  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   |  |  |
|  | PA6 GF  | PA6 GF  |  |  |
|  | TPU   | TPU   |  |  |
|  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |  |  |
|  | 3   | 3   |  |  |
|  | V0  | V0  |  |  |
|  | HB  | HB  |  |  |
|  |   |   |  |  |
|  | 100 pcs.  | 100 pcs.  |  |  |
|  | <b>MB136000PP12300</b>  | <b>MB135000PP12300</b>  |  |  |
|  | <b>MB136000PP12500</b>  | <b>MB135000PP12500</b>  |  |  |
|  | 13....15 Kg   | 13....15 Kg   |  |  |
|  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |  |  |
|  |   |   |  |  |
|  | (P113)  | (P113)  |  |  |





| <b>Product description</b>   |  | Industrial standard (11 mm)  | Industrial standard (11 mm)   |
|--|--|--|---|
| Standard   |  | B  | B   |
| Construction type  |  | B  | B   |
| Description  | Integrated gasket (TPU) and central fixing screw | P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (diode) | P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (diode) |
| Number of contacts   |  | 2 + PE   | 2 + PE  |
| Cable type   |  | H05VV-F VDE 0281-5 PVC   | H05VV-F VDE 0281-5 PVC  |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m  | 3 m   |
| Order no.  |  | <b>MB636D54PA05300</b>   | <b>MB635D54PA05300</b>  |
| Other standard options   | cable length 5m,                                 | order no. <b>MB636D54PA05500</b>   | order no. <b>MB635D54PA05500</b>  |
| Cable jacket colour  |  | black  | black   |
| Conductor colours  |  | brown - blue - yellow/green  | brown - blue - yellow/green   |
| Cable diameter +/-5%   |  | 6,7 mm   | 6,7 mm  |
| Cable temperature range  | static application<br>flexible application       | -15°C to + 70°C  | -15°C to + 70°C   |
| <b>Drawing</b>   |  |  |   |
| <b>Technical data</b>  |  |  |   |
| Pin dimension  |  | 6,3 x 0,8mm  | 6,3 x 0,8mm   |
| Voltage  |  | 24 V DC  | 24 V DC   |
| Rated current max.   |  | 4 A  | 4 A   |
| Suppressor   |  | diode 1A 1000V   | diode 1A 1000V  |
| LED colour   |  | yellow   | yellow  |
| Contact resistance   |  | 15mΩ max.  | 15mΩ max.   |
| Overvoltage category   |  | III  | III   |
| Mounting   |  | central screw M3 x 28,5mm  | central screw M3 x 28,5mm   |
| Fixing screw torque  |  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |  |   |
| Contact holder material  |  | PA6 GF   | PA6 GF  |
| Overmoulding material  |  | TPU  | TPU   |
| <b>Environmental conditions</b>                                      |  |  |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3   |
| <b>Inflammability class</b>  |  |  |   |
| Contact holder   |  | V0   | V0  |
| Moulded housing  |  | HB   | HB  |
| <b>Packaging</b>   |  |  |   |
| Minimum quantity   |  | 100 pieces   | 100 pieces  |
| Number of boxes suitable :   | 2 boxes  | <b>MB636D54PA05300</b>   | <b>MB635D54PA05300</b>  |
|  | 4 boxes  | <b>MB636D54PA05500</b>   | <b>MB635D54PA05500</b>  |
| Approximate weight per box   |  | 13...15 Kg   | 13...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |
| <b>Other cable options on request</b>                                |  |  |   |
| type (part number)   |  | (A012; A013) (C033; C053)  | (A012; A013) (C033; C053)   |
| Technical specifications on cables and accessories see pages 171-175 |  |  |   |

## Valve Connectors MB6 series

MOULDED IN CABLE



|  |  |   |  |  |
|--|--|---|--|--|
|  | Industrial standard (11 mm)  | Industrial standard (11 mm)   |  |  |
|  | B  | B   |  |  |
|  | P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) TVS protective circuit (transil) | P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) TVS protective circuit (transil) |  |  |
|  | 2 + PE   | 2 + PE  |  |  |
|  | H05VV-F VDE 0281-5 PVC   | H05VV-F VDE 0281-5 PVC  |  |  |
|  | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  |  |  |
|  | 3 m  | 3 m   |  |  |
|  | <b>MB636T54PA05300</b>   | <b>MB635T54PA05300</b>  |  |  |
|  | order no. <b>MB636T54PA05500</b>   | order no. <b>MB635T54PA05500</b>  |  |  |
|  | black  | black   |  |  |
|  | brown - blue - yellow/green  | brown - blue - yellow/green   |  |  |
|  | 6,7 mm   | 6,7 mm  |  |  |
|  | -15°C to + 70°C  | -15°C to + 70°C   |  |  |
|  |  |   |  |  |
|  | 6,3 x 0,8mm  | 6,3 x 0,8mm   |  |  |
|  | 24 V AC/DC   | 24 V AC/DC  |  |  |
|  | 4 A  | 4 A   |  |  |
|  | TVS Vbr max.=37,8V Peak =400W  | TVS Vbr max.=37,8V Peak =400W   |  |  |
|  | yellow   | yellow  |  |  |
|  | 15mΩ max.  | 15mΩ max.   |  |  |
|  | III  | III   |  |  |
|  | central screw M3 x 28,5mm  | central screw M3 x 28,5mm   |  |  |
|  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   |  |  |
|  | PA6 GF   | PA6 GF  |  |  |
|  | TPU  | TPU   |  |  |
|  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  |  |  |
|  | 3  | 3   |  |  |
|  | V0   | V0  |  |  |
|  | HB   | HB  |  |  |
|  | 100 pieces   | 100 pieces  |  |  |
|  | <b>MB636T54PA05300</b>   | <b>MB635T54PA05300</b>  |  |  |
|  | <b>MB636T54PA05500</b>   | <b>MB635T54PA05500</b>  |  |  |
|  | 13...15 Kg   | 13...15 Kg  |  |  |
|  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |  |  |
|  | (A012; A013) (C033; C053)  | (A012; A013) (C033; C053)   |  |  |

Form B - INDUSTRIAL

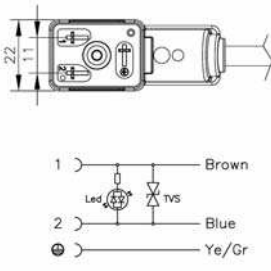
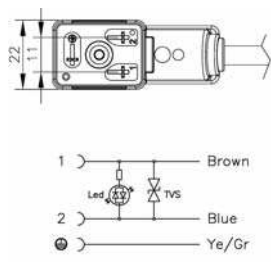


| <b>Product description</b>   |  | Industrial standard (11 mm)  | Industrial standard (11 mm)   |
|--|--|--|---|
| Standard   |  | B  | B   |
| Construction type  |  | B  | B   |
| Description  | Integrated gasket (TPU) and central fixing screw | P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (diode) | P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (diode) |
| Number of contacts   |  | 2 + PE   | 2 + PE  |
| Cable type   |  | PUR / PVC  | PUR / PVC   |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m  | 3 m   |
| Order no.  |  | <b>MB636D54PP12300</b>   | <b>MB635D54PP12300</b>  |
| Other standard options   | cable length 5m,                                 | order no. <b>MB636D54PP12500</b>   | order no. <b>MB635D54PP12500</b>  |
| Cable jacket colour  |  | black  | black   |
| Conductor colours  |  | brown - blue - yellow/green  | brown - blue - yellow/green   |
| Cable diameter +/-5%   |  | 6,5 mm   | 6,5 mm  |
| Cable temperature range  | static application<br>flexible application       | -40°C to + 80°C<br>-25°C to + 80°C   | -40°C to + 80°C<br>-25°C to + 80°C  |
| <b>Drawing</b>   |  |  |   |
| <b>Technical data</b>  |  |  |   |
| Pin dimension  |  | 6,3 x 0,8mm  | 6,3 x 0,8mm   |
| Voltage  |  | 24 V DC  | 24 V DC   |
| Rated current max.   |  | 4 A  | 4 A   |
| Suppressor   |  | diode 1A 1000V   | diode 1A 1000V  |
| LED colour   |  | yellow   | yellow  |
| Contact resistance   |  | 15mΩ max.  | 15mΩ max.   |
| Overvoltage category   |  | III  | III   |
| Mounting   |  | central screw M3 x 28,5mm  | central screw M3 x 28,5mm   |
| Fixing screw torque  |  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |  |   |
| Contact holder material  |  | PA6 GF   | PA6 GF  |
| Overmoulding material  |  | TPU  | TPU   |
| <b>Environmental conditions</b>                                      |  |  |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3   |
| <b>Inflammability class</b>  |  |  |   |
| Contact holder   |  | V0   | V0  |
| Moulded housing  |  | HB   | HB  |
| <b>Packaging</b>   |  |  |   |
| Minimum quantity   |  | 100 pieces   | 100 pieces  |
| Number of boxes suitable:  | 2 boxes<br>4 boxes                               | <b>MB636D54PP12300</b><br><b>MB636D54PP12500</b>   | <b>MB635D54PP12300</b><br><b>MB635D54PP12500</b>  |
| Approximate weight per box   |  | 13...15 Kg   | 13...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |
| <b>Other cable options on request</b>                                |  |  |   |
| type ( part number)  |  | (P113)   | (P113)  |
| Technical specifications on cables and accessories see pages 171-175 |  |  |   |

## Valve Connectors MB6 series

MOULDED IN CABLE



|  |  |   |  |  |
|--|--|---|--|--|
|  | Industrial standard (11 mm)  | Industrial standard (11 mm)   |  |  |
|  | B  | B   |  |  |
|  | P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) TVS protective circuit (transil) | P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) TVS protective circuit (transil) |  |  |
|  | 2 + PE   | 2 + PE  |  |  |
|  | PUR / PVC  | PUR / PVC   |  |  |
|  | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  |  |  |
|  | 3 m  | 3 m   |  |  |
|  | <b>MB636T54PP12300</b>   | <b>MB635T54PP12300</b>  |  |  |
|  | order no. <b>MB636T54PP12500</b>   | order no. <b>MB635T54PP12500</b>  |  |  |
|  | black  | black   |  |  |
|  | brown - blue - yellow/green  | brown - blue - yellow/green   |  |  |
|  | 6,5 mm   | 6,5 mm  |  |  |
|  | -40°C to + 80°C  | -40°C to + 80°C   |  |  |
|  | -25°C to + 80°C  | -25°C to + 80°C   |  |  |
|  |   |    |  |  |
|  | 6,3 x 0,8mm  | 6,3 x 0,8mm   |  |  |
|  | 24 V AC/DC   | 24 V AC/DC  |  |  |
|  | 4 A  | 4 A   |  |  |
|  | TVS Vbr max.=37,8V Peak =400W  | TVS Vbr max.=37,8V Peak =400W   |  |  |
|  | yellow   | yellow  |  |  |
|  | 15mΩ max.  | 15mΩ max.   |  |  |
|  | III  | III   |  |  |
|  | central screw M3 x 28,5mm  | central screw M3 x 28,5mm   |  |  |
|  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   |  |  |
|  | PA6 GF   | PA6 GF  |  |  |
|  | TPU  | TPU   |  |  |
|  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  |  |  |
|  | 3  | 3   |  |  |
|  | V0   | V0  |  |  |
|  | HB   | HB  |  |  |
|  | 100 pieces   | 100 pieces  |  |  |
|  | <b>MB636T54PP12300</b>   | <b>MB635T54PP12300</b>  |  |  |
|  | <b>MB636T54PP12500</b>   | <b>MB635T54PP12500</b>  |  |  |
|  | 13...15 Kg   | 13...15 Kg  |  |  |
|  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |  |  |
|  | (P113)   | (P113)  |  |  |

Form B - INDUSTRIAL



| Product description  |  | Industrial standard (11 mm)   | Industrial standard (11 mm)  |
|--|--|---|--|
| Standard   |  | B   | B  |
| Construction type  |  | B   | B  |
| Description  | Integrated gasket (TPU) and central fixing screw | P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor) | P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor) |
| Number of contacts   |  | 2 + PE  | 2 + PE   |
| Cable type   |  | H05VV-F VDE 0281-5 PVC  | H05VV-F VDE 0281-5 PVC   |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC   |
| Cable length   |  | 3 m   | 3 m  |
| Order no.  |  | <b>MB636V54PA05300</b>  | <b>MB635V54PA05300</b>   |
| Other standard options   | cable length 5m,                                 | order no. <b>MB636V54PA05500</b>  | order no. <b>MB635V54PA05500</b>   |
| Cable jacket colour  |  | black   | black  |
| Conductor colours  |  | brown - blue - yellow/green   | brown - blue - yellow/green  |
| Cable diameter +/-5%   |  | 6,7 mm  | 6,7 mm   |
| Cable temperature range  | static application<br>flexible application       | -15°C to + 70°C   | -15°C to + 70°C  |
| <b>Drawing</b>   |  |   |  |
| <b>Technical data</b>  |  |   |  |
| Pin dimension  |  | 6,3 x 0,8mm   | 6,3 x 0,8mm  |
| Voltage  |  | 24 V AC/DC  | 24 V AC/DC   |
| Rated current max.   |  | 5 A   | 5 A  |
| Suppressor   |  | VDR 30 Vrms 0,9 Joule   | VDR 30 Vrms 0,9 Joule  |
| LED colour   |  | yellow  | yellow   |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.  |
| Overvoltage category   |  | III   | III  |
| Mounting   |  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm  |
| Fixing screw torque  |  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  |
| <b>Material</b>  |  |   |  |
| Contact holder material  |  | PA6 GF  | PA6 GF   |
| Overmoulding material  |  | TPU   | TPU  |
| <b>Environmental conditions</b>                                      |  |   |  |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3  |
| <b>Inflammability class</b>  |  |   |  |
| Contact holder   |  | V0  | V0   |
| Moulded housing  |  | HB  | HB   |
| <b>Packaging</b>   |  |   |  |
| Minimum quantity   |  | 100 pieces  | 100 pieces   |
| Number of boxes suitable :   | 2 boxes  | <b>MB636V54PA05300</b>  | <b>MB635V54PA05300</b>   |
|  | 4 boxes  | <b>MB636V54PA05500</b>  | <b>MB635V54PA05500</b>   |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  |
| <b>Other cable options on request</b>                                |  |   |  |
| type ( part number)  |  | (A013) (C033; C053)   | (A013) (C033; C053)  |
| Technical specifications on cables and accessories see pages 171-175 |  |   |  |

## Valve Connectors MB6 series

MOULDED IN CABLE



Form B - INDUSTRIAL

| Industrial standard (11 mm)   | Industrial standard (11 mm)  | Industrial standard (11 mm)   | Industrial standard (11 mm)  |
|---|--|---|--|
| B   | B  | B   | B  |
| P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor) | P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor) | P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor) | P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor) |
| 2 + PE  | 2 + PE   | 2 + PE  | 2 + PE   |
| H05VV-F VDE 0281-5 PVC  | H05VV-F VDE 0281-5 PVC   | H05VV-F VDE 0281-5 PVC  | H05VV-F VDE 0281-5 PVC   |
| 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC   |
| 3 m   | 3 m  | 3 m   | 3 m  |
| <b>MB636V55PA05300</b>  | <b>MB635V55PA05300</b>   | <b>MB636V56PA05300</b>  | <b>MB635V56PA05300</b>   |
| order no. <b>MB636V55PA05500</b>  | order no. <b>MB635V55PA05500</b>   | order no. <b>MB636V56PA05500</b>  | order no. <b>MB635V56PA05500</b>   |
| black   | black  | black   | black  |
| brown - blue - yellow/green   | brown - blue - yellow/green  | brown - blue - yellow/green   | brown - blue - yellow/green  |
| 6,7 mm  | 6,7 mm   | 6,7 mm  | 6,7 mm   |
| -15°C to + 70°C   | -15°C to + 70°C  | -15°C to + 70°C   | -15°C to + 70°C  |
|   |  |   |  |
| <p>1 ) ——— Brown</p> <p>2 ) ——— Blue</p> <p>⊕ ) ——— Ye/Gr</p>   | <p>1 ) ——— Brown</p> <p>2 ) ——— Blue</p> <p>⊕ ) ——— Ye/Gr</p>  | <p>1 ) ——— Brown</p> <p>2 ) ——— Blue</p> <p>⊕ ) ——— Ye/Gr</p>   | <p>1 ) ——— Brown</p> <p>2 ) ——— Blue</p> <p>⊕ ) ——— Ye/Gr</p>  |
| 6,3 x 0,8mm   | 6,3 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| 115 V AC/DC   | 115 V AC/DC  | 230 V AC/DC   | 230 V AC/DC  |
| 5 A   | 5 A  | 5 A   | 5 A  |
| VDR 130 Vrms 4,5 Joule  | VDR 130 Vrms 4,5 Joule   | VDR 275 Vrms 8,6 Joule  | VDR 275 Vrms 8,6 Joule   |
| yellow  | yellow   | yellow  | yellow   |
| 15mΩ max.   | 15mΩ max.  | 15mΩ max.   | 15mΩ max.  |
| III   | III  | III   | III  |
| central screw M3 x 28,5mm   | central screw M3 x 28,5mm  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm  |
| 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  |
| PA6 GF  | PA6 GF   | PA6 GF  | PA6 GF   |
| TPU   | TPU  | TPU   | TPU  |
| IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   |
| 3   | 3  | 3   | 3  |
| V0  | V0   | V0  | V0   |
| HB  | HB   | HB  | HB   |
| 100 pieces  | 100 pieces   | 100 pieces  | 100 pieces   |
| <b>MB636V55PA05300</b>  | <b>MB635V55PA05300</b>   | <b>MB636V56PA05300</b>  | <b>MB635V56PA05300</b>   |
| <b>MB636V55PA05500</b>  | <b>MB635V55PA05500</b>   | <b>MB636V56PA05500</b>  | <b>MB635V56PA05500</b>   |
| 13...15 Kg  | 13...15 Kg   | 13...15 Kg  | 13...15 Kg   |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  |
| (A013) (C033; C053)   | (A013) (C033; C053)  | (A013) (C033; C053)   | (A013) (C033; C053)  |



| Product description  |  | Industrial standard (11 mm)   | Industrial standard (11 mm)  |
|--|--|---|--|
| Standard   |  | B   | B  |
| Construction type  |  | B   | B  |
| Description  | Integrated gasket (TPU) and central fixing screw | P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor) | P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor) |
| Number of contacts   |  | 2 + PE  | 2 + PE   |
| Cable type   |  | PUR / PVC   | PUR / PVC  |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC   |
| Cable length   |  | 3 m   | 3 m  |
| Order no.  |  | <b>MB636V54PP12300</b>  | <b>MB635V54PP12300</b>   |
| Other standard options   | cable length 5m,                                 | order no. <b>MB636V54PP12500</b>  | order no. <b>MB635V54PP12500</b>   |
| Cable jacket colour  |  | black   | black  |
| Conductor colours  |  | brown - blue - yellow/green   | brown - blue - yellow/green  |
| Cable diameter +/-5%   |  | 6,7 mm  | 6,7 mm   |
| Cable temperature range  | static application<br>flexible application       | -40°C to + 80°C<br>-25°C to + 80°C  | -40°C to + 80°C<br>-25°C to + 80°C   |
| <b>Drawing</b>   |  |   |  |
|  |  |   |  |
| <b>Technical data</b>  |  |   |  |
| Pin dimension  |  | 6,3 x 0,8mm   | 6,3 x 0,8mm  |
| Voltage  |  | 24 V AC/DC  | 24 V AC/DC   |
| Rated current max.   |  | 5 A   | 5 A  |
| Suppressor   |  | VDR 30 Vrms 0,9 Joule   | VDR 30 Vrms 0,9 Joule  |
| LED colour   |  | yellow  | yellow   |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.  |
| Overvoltage category   |  | III   | III  |
| Mounting   |  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm  |
| Fixing screw torque  |  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  |
| <b>Material</b>  |  |   |  |
| Contact holder material  |  | PA6 GF  | PA6 GF   |
| Overmoulding material  |  | TPU   | TPU  |
| <b>Environmental conditions</b>                                      |  |   |  |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3  |
| <b>Inflammability class</b>  |  |   |  |
| Contact holder   |  | V0  | V0   |
| Moulded housing  |  | HB  | HB   |
| <b>Packaging</b>   |  |   |  |
| Minimum quantity   |  | 100 pieces  | 100 pieces   |
| Number of boxes suitable:  | 2 boxes<br>4 boxes                               | <b>MB636V54PP12300</b><br><b>MB636V54PP12500</b>  | <b>MB635V54PP12300</b><br><b>MB635V54PP12500</b>   |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  |
| <b>Other cable options on request</b>                                |  |   |  |
| type (part number)   |  | (P113)  | (P113)   |
| Technical specifications on cables and accessories see pages 171-175 |  |   |  |



## Valve Connectors MB6 series

MOULDED IN CABLE



|  |   |  |   |  |
|--|---|--|---|--|
|  | Industrial standard (11 mm)   | Industrial standard (11 mm)  | Industrial standard (11 mm)   | Industrial standard (11 mm)  |
|  | B   | B  | B   | B  |
|  | P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor) | P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor) | P11 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor) | P11 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor) |
|  | 2 + PE  | 2 + PE   | 2 + PE  | 2 + PE   |
|  | PUR / PVC   | PUR / PVC  | PUR / PVC   | PUR / PVC  |
|  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC   |
|  | 3 m   | 3 m  | 3 m   | 3 m  |
|  | <b>MB636V55PP12300</b>  | <b>MB635V55PP12300</b>   | <b>MB636V56PP12300</b>  | <b>MB635V56PP12300</b>   |
|  | order no. <b>MB636V55PP12500</b>  | order no. <b>MB635V55PP12500</b>   | order no. <b>MB636V56PP12500</b>  | order no. <b>MB635V56PP12500</b>   |
|  | black   | black  | black   | black  |
|  | brown - blue - yellow/green   | brown - blue - yellow/green  | brown - blue - yellow/green   | brown - blue - yellow/green  |
|  | 6,7 mm  | 6,7 mm   | 6,7 mm  | 6,7 mm   |
|  | -40°C to + 80°C   | -40°C to + 80°C  | -40°C to + 80°C   | -40°C to + 80°C  |
|  | -25°C to + 80°C   | -25°C to + 80°C  | -25°C to + 80°C   | -25°C to + 80°C  |
|  |   |  |   |  |
|  | 6,3 x 0,8mm   | 6,3 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
|  | 115 V AC/DC   | 115 V AC/DC  | 230 V AC/DC   | 230 V AC/DC  |
|  | 5 A   | 5 A  | 5 A   | 5 A  |
|  | VDR 130 Vrms 4,5 Joule  | VDR 130 Vrms 4,5 Joule   | VDR 275 Vrms 8,6 Joule  | VDR 275 Vrms 8,6 Joule   |
|  | yellow  | yellow   | yellow  | yellow   |
|  | 15mΩ max.   | 15mΩ max.  | 15mΩ max.   | 15mΩ max.  |
|  | III   | III  | III   | III  |
|  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm  |
|  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  |
|  | PA6 GF  | PA6 GF   | PA6 GF  | PA6 GF   |
|  | TPU   | TPU  | TPU   | TPU  |
|  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   |
|  | 3   | 3  | 3   | 3  |
|  | V0  | V0   | V0  | V0   |
|  | HB  | HB   | HB  | HB   |
|  | 100 pieces  | 100 pieces   | 100 pieces  | 100 pieces   |
|  | <b>MB636V55PP12300</b>  | <b>MB635V55PP12300</b>   | <b>MB636V56PP12300</b>  | <b>MB635V56PP12300</b>   |
|  | <b>MB636V55PP12500</b>  | <b>MB635V55PP12500</b>   | <b>MB636V56PP12500</b>  | <b>MB635V56PP12500</b>   |
|  | 13...15 Kg  | 13...15 Kg   | 13...15 Kg  | 13...15 Kg   |
|  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  |
|  | (P113)  | (P113)   | (P113)  | (P113)   |

Form B - INDUSTRIAL



Form B - EN 175301-803 (DIN43650) / ISO 6952

| Product description  |  | EN175301-803   | EN175301-803  |
|--|--|--|---|
| Standard   |  | EN175301-803   | EN175301-803  |
| Construction type  |  | B  | B   |
| Description  | Integrated gasket (TPU) and central fixing screw | P10 connector with moulded cable (PE) earth in H6 (next to cable outlet)   | P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) |
| Number of contacts   |  | 2 + PE   | 2 + PE  |
| Cable type   |  | H05VV-F VDE 0281-5 PVC   | H05VV-F VDE 0281-5 PVC  |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m  | 3 m   |
| Order no.  |  | <b>ME136000PA05300</b>   | <b>ME135000PA05300</b>  |
| Other standard options   | cable length 1m,<br>cable length 5m,             | order no. <b>ME136000PA05100</b><br>order no. <b>ME136000PA05500</b>       | order no. <b>ME135000PA05100</b><br>order no. <b>ME135000PA05500</b>            |
| Cable jacket colour  |  | black  | black   |
| Conductor colours  |  | brown - blue - yellow/green  | brown - blue - yellow/green   |
| Cable diameter +/-5%   |  | 6,7 mm   | 6,7 mm  |
| Cable temperature range  | static application<br>flexible application       | -15 °C to + 70 °C  | -15 °C to + 70 °C   |
| <b>Drawing</b>   |  |  |   |
| <b>Technical data</b>  |  |  |   |
| Pin dimension  |  | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Rated voltage max.   |  | 250 V AC/DC  | 250 V AC/DC   |
| Rated current max.   |  | 5 A  | 5 A   |
| Suppressor   |  |  |   |
| LED colour   |  |  |   |
| Contact resistance   |  | 15mΩ max.  | 15mΩ max.   |
| Overvoltage category   |  | III  | III   |
| Mounting   |  | central screw M3 x 25mm  | central screw M3 x 25mm   |
| Fixing screw torque  |  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |  |   |
| Contact holder material  |  | PA6 GF   | PA6 GF  |
| Overmoulding material  |  | TPU  | TPU   |
| <b>Environmental conditions</b>                                      |  |  |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3   |
| <b>Inflammability class</b>  |  |  |   |
| Contact holder   |  | V0   | V0  |
| Moulded housing  |  | HB   | HB  |
| <b>Packaging</b>   |  |  |   |
| Minimum quantity   |  | 100 pcs.   | 100 pcs.  |
| Number of boxes suitable:  | 1 box<br>2 boxes<br>4 boxes                      | <b>ME136000PA05100</b><br><b>ME136000PA05300</b><br><b>ME136000PA05500</b> | <b>ME135000PA05100</b><br><b>ME135000PA05300</b><br><b>ME135000PA05500</b>      |
| Approximate weight per box   |  | 13...15 Kg   | 13...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |
| <b>Other cable options on request</b>                                |  |  |   |
| type (part number)   |  | (A012; A013) (C033; C053)  | (A012; A013) (C033; C053)   |
| Technical specifications on cables and accessories see pages 171-175 |  |  |   |

## Valve Connectors **ME1** series

SELF - ASSEMBLY CABLE



|  |   |  |  |
|--|---|--|--|
| EN175301-803   | EN175301-803  |  |  |
| B  | B   |  |  |
| P10 connector with moulded cable<br>(PE) earth in H6<br>(next to cable outlet) | P10 connector with moulded cable<br>(PE) earth in H12<br>(opposite from cable outlet) |  |  |
| 2 + PE   | 2 + PE  |  |  |
| PUR / PVC  | PUR / PVC   |  |  |
| 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  |  |  |
| 3 m  | 3 m   |  |  |
| <b>ME136000PP12300</b>   | <b>ME135000PP12300</b>  |  |  |
| order no. <b>ME136000PP125500</b>  | order no. <b>ME135000PP125500</b>   |  |  |
| black  | black   |  |  |
| brown - blue - yellow/green  | brown - blue - yellow/green   |  |  |
| 6,5 mm   | 6,5 mm  |  |  |
| -40 °C to + 80 °C  | -40 °C to + 80 °C   |  |  |
| -25 °C to + 80 °C  | -25 °C to + 80 °C   |  |  |
| <br>1 ——— Brown<br>2 ——— Blue<br>⊕ ——— Ye/Gr                                   | <br>1 ——— Brown<br>2 ——— Blue<br>⊕ ——— Ye/Gr  |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm   |  |  |
| 250 V AC/DC  | 250 V AC/DC   |  |  |
| 5 A  | 5 A   |  |  |
| 15mΩ max.  | 15mΩ max.   |  |  |
| III  | III   |  |  |
| central screw M3 x 25mm  | central screw M3 x 25mm   |  |  |
| 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   |  |  |
| PA6 GF   | PA6 GF  |  |  |
| TPU  | TPU   |  |  |
| IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  |  |  |
| 3  | 3   |  |  |
| V0   | V0  |  |  |
| HB   | HB  |  |  |
| 100 pcs.   | 100 pcs.  |  |  |
| <b>ME136000PP12300</b>   | <b>ME135000PP12300</b>  |  |  |
| <b>ME136000PP12500</b>   | <b>ME135000PP12500</b>  |  |  |
| 13...15 Kg   | 13...15 Kg  |  |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |  |  |
| (P113)   | (P113)  |  |  |

Form B - EN 175301-803 (DIN43650) / ISO 6952



Form B - EN 175301-803 (DIN43650) / ISO 6952

| Product description  |  | EN175301-803   | EN175301-803  |
|--|--|--|---|
| Standard   |  | EN175301-803   | EN175301-803  |
| Construction type  |  | B  | B   |
| Description  | Integrated gasket (TPU) and central fixing screw | P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (diode) | P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (diode) |
| Number of contacts   |  | 2 + PE   | 2 + PE  |
| Cable type   |  | H05VV-F VDE 0281-5 PVC   | H05VV-F VDE 0281-5 PVC  |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m  | 3 m   |
| Order no.  |  | <b>ME636D54PA05300</b>   | <b>ME635D54PA05300</b>  |
| Other standard options   | cable length 5m,                                 | order no. <b>ME636D54PA05500</b>   | order no. <b>ME635D54PA05500</b>  |
| Cable jacket colour  |  | black  | black   |
| Conductor colours  |  | brown - blue - yellow/green  | brown - blue - yellow/green   |
| Cable diameter +/-5%   |  | 6,7 mm   | 6,7 mm  |
| Cable temperature range  | static application<br>flexible application       | -15°C to + 70°C  | -15°C to + 70°C   |
| <b>Drawing</b>   |  |  |   |
| <b>Technical data</b>  |  |  |   |
| Pin dimension  |  | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Voltage  |  | 24 V DC  | 24 V DC   |
| Rated current max.   |  | 4 A  | 4 A   |
| Suppressor   |  | diode 1A 1000V   | diode 1A 1000V  |
| LED colour   |  | yellow   | yellow  |
| Contact resistance   |  | 15mΩ max.  | 15mΩ max.   |
| Overvoltage category   |  | III  | III   |
| Mounting   |  | central screw M3 x 28,5mm  | central screw M3 x 28,5mm   |
| Fixing screw torque  |  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |  |   |
| Contact holder material  |  | PA6 GF   | PA6 GF  |
| Overmoulding material  |  | TPU  | TPU   |
| <b>Environmental conditions</b>                                      |  |  |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3   |
| <b>Inflammability class</b>  |  |  |   |
| Contact holder   |  | V0   | V0  |
| Moulded housing  |  | HB   | HB  |
| <b>Packaging</b>   |  |  |   |
| Minimum quantity   |  | 100 pieces   | 100 pieces  |
| Number of boxes suitable:  | 2 boxes  | <b>ME636D54PA05300</b>   | <b>ME635D54PA05300</b>  |
|  | 4 boxes  | <b>ME636D54PA05500</b>   | <b>ME635D54PA05500</b>  |
| Approximate weight per box   |  | 13...15 Kg   | 13...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |
| <b>Other cable options on request</b>                                |  |  |   |
| type (part number)   |  | (A012; A013) (C033; C053)  | (A012; A013) (C033; C053)   |
| Technical specifications on cables and accessories see pages 171-175 |  |  |   |

## Valve Connectors ME6 series

MOULDED IN CABLE



|  |   |  |  |
|--|---|--|--|
| EN175301-803   | EN175301-803  |  |  |
| B  | B   |  |  |
| P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) TVS protective circuit (transil) | P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) TVS protective circuit (transil) |  |  |
| 2 + PE   | 2 + PE  |  |  |
| H05VV-F VDE 0281-5 PVC   | H05VV-F VDE 0281-5 PVC  |  |  |
| 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  |  |  |
| 3 m  | 3 m   |  |  |
| <b>ME636T54PA05300</b>   | <b>ME635T54PA05300</b>  |  |  |
| order no. <b>ME636T54PA05500</b>   | order no. <b>ME635T54PA05500</b>  |  |  |
| black  | black   |  |  |
| brown - blue - yellow/green  | brown - blue - yellow/green   |  |  |
| 6,7 mm   | 6,7 mm  |  |  |
| -15°C to + 70°C  | -15°C to + 70°C   |  |  |
|  |   |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm   |  |  |
| 24 V AC/DC   | 24 V AC/DC  |  |  |
| 4 A  | 4 A   |  |  |
| TVS Vbr max.=37,8V Peak =400W  | TVS Vbr max.=37,8V Peak =400W   |  |  |
| yellow   | yellow  |  |  |
| 15mΩ max.  | 15mΩ max.   |  |  |
| III  | III   |  |  |
| central screw M3 x 28,5mm  | central screw M3 x 28,5mm   |  |  |
| 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   |  |  |
| PA6 GF   | PA6 GF  |  |  |
| TPU  | TPU   |  |  |
| IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  |  |  |
| 3  | 3   |  |  |
| V0   | V0  |  |  |
| HB   | HB  |  |  |
| 100 pieces   | 100 pieces  |  |  |
| <b>ME636T54PA05300</b>   | <b>ME635T54PA05300</b>  |  |  |
| <b>ME636T54PA05500</b>   | <b>ME635T54PA05500</b>  |  |  |
| 13...15 Kg   | 13...15 Kg  |  |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |  |  |
| (A012; A013) (C033; C053)  | (A012; A013) (C033; C053)   |  |  |

Form B - EN 175301-803 (DIN43650) / ISO 6952



Form B - EN 175301-803 (DIN43650) / ISO 6952

| Product description  |  |  |   |
|--|--|--|---|
| Standard   |  | EN175301-803   | EN175301-803  |
| Construction type  |  | B  | B   |
| Description  | Integrated gasket (TPU) and central fixing screw | P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (diode) | P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (diode) |
| Number of contacts   |  | 2 + PE   | 2 + PE  |
| Cable type   |  | PUR / PVC  | PUR / PVC   |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m  | 3 m   |
| Order no.  |  | <b>ME636D54PP12300</b>   | <b>ME635D54PP12300</b>  |
| Other standard options   | cable length 5m,                                 | order no. <b>ME636D54PP12500</b>   | order no. <b>ME635D54PP12500</b>  |
| Cable jacket colour  |  | black  | black   |
| Conductor colours  |  | brown - blue - yellow/green  | brown - blue - yellow/green   |
| Cable diameter +/-5%   |  | 6,5 mm   | 6,5 mm  |
| Cable temperature range  | static application                               | -40 °C to + 80 °C  | -40 °C to + 80 °C   |
|  | flexible application                             | -25 °C to + 80 °C  | -25 °C to + 80 °C   |
| <b>Drawing</b>   |  |  |   |
|  |  |  |   |
| <b>Technical data</b>  |  |  |   |
| Pin dimension  |  | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm   |
| Voltage  |  | 24 V DC  | 24 V DC   |
| Rated current max.   |  | 4 A  | 4 A   |
| Suppressor   |  | diode 1A 1000V   | diode 1A 1000V  |
| LED colour   |  | yellow   | yellow  |
| Contact resistance   |  | 15mΩ max.  | 15mΩ max.   |
| Overvoltage category   |  | III  | III   |
| Mounting   |  | central screw M3 x 28,5mm  | central screw M3 x 28,5mm   |
| Fixing screw torque  |  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |  |   |
| Contact holder material  |  | PA6 GF   | PA6 GF  |
| Overmoulding material  |  | TPU  | TPU   |
| <b>Environmental conditions</b>                                      |  |  |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3   |
| <b>Inflammability class</b>  |  |  |   |
| Contact holder   |  | V0   | V0  |
| Moulded housing  |  | HB   | HB  |
| <b>Packaging</b>   |  |  |   |
| Minimum quantity   |  | 100 pieces   | 100 pieces  |
| Number of boxes suitable:  | 2 boxes  | <b>ME636D54PP12300</b>   | <b>ME635D54PP12300</b>  |
|  | 4 boxes  | <b>ME636D54PP12500</b>   | <b>ME635D54PP12500</b>  |
| Approximate weight per box   |  | 13...15 Kg   | 13...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |
| <b>Other cable options on request</b>                                |  |  |   |
| type (part number)   |  | (P113)   | (P113)  |
| Technical specifications on cables and accessories see pages 171-175 |  |  |   |

## Valve Connectors **ME6** series

MOULDED IN CABLE



|  |   |  |  |
|--|---|--|--|
| EN175301-803   | EN175301-803  |  |  |
| B  | B   |  |  |
| P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) TVS protective circuit (transil) | P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) TVS protective circuit (transil) |  |  |
| 2 + PE   | 2 + PE  |  |  |
| PUR / PVC  | PUR / PVC   |  |  |
| 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  |  |  |
| 3 m  | 3 m   |  |  |
| <b>ME636T54PP12300</b>   | <b>ME635T54PP12300</b>  |  |  |
| order no. <b>ME636T54PP12500</b>   | order no. <b>ME635T54PP12500</b>  |  |  |
| black  | black   |  |  |
| brown - blue - yellow/green  | brown - blue - yellow/green   |  |  |
| 6,5 mm   | 6,5 mm  |  |  |
| -40°C to + 80°C  | -40°C to + 80°C   |  |  |
| -25°C to + 80°C  | -25°C to + 80°C   |  |  |
|  |   |  |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm   |  |  |
| 24 V DC  | 24 V AC/DC  |  |  |
| 4 A  | 4 A   |  |  |
| TVS Vbr max.=37,8V Peak =400W  | TVS Vbr max.=37,8V Peak =400W   |  |  |
| yellow   | yellow  |  |  |
| 15mΩ max.  | 15mΩ max.   |  |  |
| III  | III   |  |  |
| central screw M3 x 28,5mm  | central screw M3 x 28,5mm   |  |  |
| 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   |  |  |
| PA6 GF   | PA6 GF  |  |  |
| TPU  | TPU   |  |  |
| IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  |  |  |
| 3  | 3   |  |  |
| V0   | V0  |  |  |
| HB   | HB  |  |  |
| 100 pieces   | 100 pieces  |  |  |
| <b>ME636T54PP12300</b>   | <b>ME635T54PP12300</b>  |  |  |
| <b>ME636T54PP12500</b>   | <b>ME635T54PP12500</b>  |  |  |
| 13...15 Kg   | 13...15 Kg  |  |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |  |  |
| (P113)   | (P113)  |  |  |

Form B - EN 175301-803 (DIN43650) / ISO 6952





Form B - EN 175301-803 (DIN43650) / ISO 6952

| Product description  |  | EN175301-803  | EN175301-803   |
|--|--|---|--|
| Standard   |  | EN175301-803  | EN175301-803   |
| Construction type  |  | B   | B  |
| Description  | Integrated gasket (TPU) and central fixing screw | P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor) | P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor) |
| Number of contacts   |  | 2 + PE  | 2 + PE   |
| Cable type   |  | H05VV-F VDE 0281-5 PVC  | H05VV-F VDE 0281-5 PVC   |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC   |
| Cable length   |  | 3 m   | 3 m  |
| Order no.  |  | <b>ME636V54PA05300</b>  | <b>ME635V54PA05300</b>   |
| Other standard options   | cable length 5m,                                 | order no. <b>ME636V54PA05500</b>  | order no. <b>ME635V54PA05500</b>   |
| Cable jacket colour  |  | black   | black  |
| Conductor colours  |  | brown - blue - yellow/green   | brown - blue - yellow/green  |
| Cable diameter +/-5%   |  | 6,7 mm  | 6,7 mm   |
| Cable temperature range  | static application<br>flexible application       | -15°C to + 70°C   | -15°C to + 70°C  |
| <b>Drawing</b>   |  |   |  |
| <b>Technical data</b>  |  |   |  |
| Pin dimension  |  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| Voltage  |  | 24 V AC/DC  | 24 V AC/DC   |
| Rated current max.   |  | 5 A   | 5 A  |
| Suppressor   |  | VDR 30 Vrms 0,9 Joule   | VDR 30 Vrms 0,9 Joule  |
| LED colour   |  | yellow  | yellow   |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.  |
| Overvoltage category   |  | III   | III  |
| Mounting   |  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm  |
| Fixing screw torque  |  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  |
| <b>Material</b>  |  |   |  |
| Contact holder material  |  | PA6 GF  | PA6 GF   |
| Overmoulding material  |  | TPU   | TPU  |
| <b>Environmental conditions</b>                                      |  |   |  |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3  |
| <b>Inflammability class</b>  |  |   |  |
| Contact holder   |  | V0  | V0   |
| Moulded housing  |  | HB  | HB   |
| <b>Packaging</b>   |  |   |  |
| Minimum quantity   |  | 100 pieces  | 100 pieces   |
| Number of boxes suitable:  | 2 boxes  | <b>ME636V54PA05300</b>  | <b>ME635V54PA05300</b>   |
|  | 4 boxes  | <b>ME636V54PA05500</b>  | <b>ME635V54PA05500</b>   |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  |
| <b>Other cable options on request</b>                                |  |   |  |
| type (part number)   |  | (A013) (C033; C053)   | (A013) (C033; C053)  |
| Technical specifications on cables and accessories see pages 171-175 |  |   |  |

## Valve Connectors ME6 series

MOULDED IN CABLE



| EN175301-803  | EN175301-803   | EN175301-803  | EN175301-803   |
|---|--|---|--|
| B   | B  | B   | B  |
| P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor) | P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor) | P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor) | P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor) |
| 2 + PE  | 2 + PE   | 2 + PE  | 2 + PE   |
| H05VV-F VDE 0281-5 PVC  | H05VV-F VDE 0281-5 PVC   | H05VV-F VDE 0281-5 PVC  | H05VV-F VDE 0281-5 PVC   |
| 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC   |
| 3 m   | 3 m  | 3 m   | 3 m  |
| <b>ME636V55PA05300</b>  | <b>ME635V55PA05300</b>   | <b>ME636V56PA05300</b>  | <b>ME635V56PA05300</b>   |
| order no. <b>ME636V55PA05500</b>  | order no. <b>ME635V55PA05500</b>   | order no. <b>ME636V56PA05500</b>  | order no. <b>ME635V56PA05500</b>   |
| black   | black  | black   | black  |
| brown - blue - yellow/green   | brown - blue - yellow/green  | brown - blue - yellow/green   | brown - blue - yellow/green  |
| 6,7 mm  | 6,7 mm   | 6,7 mm  | 6,7 mm   |
| -15°C to + 70°C   | -15°C to + 70°C  | -15°C to + 70°C   | -15°C to + 70°C  |
|   |  |   |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| 115 V AC/DC   | 115 V AC/DC  | 230 V AC/DC   | 230 V AC/DC  |
| 5 A   | 5 A  | 5 A   | 5 A  |
| VDR 130 Vrms 4,5 Joule  | VDR 130 Vrms 4,5 Joule   | VDR 275 Vrms 8,6 Joule  | VDR 275 Vrms 8,6 Joule   |
| yellow  | yellow   | yellow  | yellow   |
| 15mΩ max.   | 15mΩ max.  | 15mΩ max.   | 15mΩ max.  |
| III   | III  | III   | III  |
| central screw M3 x 28,5mm   | central screw M3 x 28,5mm  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm  |
| 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  |
| PA6 GF  | PA6 GF   | PA6 GF  | PA6 GF   |
| TPU   | TPU  | TPU   | TPU  |
| IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   |
| 3   | 3  | 3   | 3  |
| V0  | V0   | V0  | V0   |
| HB  | HB   | HB  | HB   |
| 100 pieces  | 100 pieces   | 100 pieces  | 100 pieces   |
| <b>ME636V55PA05300</b>  | <b>ME635V55PA05300</b>   | <b>ME636V56PA05300</b>  | <b>ME635V56PA05300</b>   |
| <b>ME636V55PA05500</b>  | <b>ME635V55PA05500</b>   | <b>ME636V56PA05500</b>  | <b>ME635V56PA05500</b>   |
| 13...15 Kg  | 13...15 Kg   | 13...15 Kg  | 13...15 Kg   |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  |
| (A013) (C033; C053)   | (A013) (C033; C053)  | (A013) (C033; C053)   | (A013) (C033; C053)  |

Form B - EN 175301-803 (DIN43650) / ISO 6952



Form B - EN 175301-803 (DIN43650) / ISO 6952

| Product description  |  |   |  |
|--|--|---|--|
| Standard   |  | EN175301-803  | EN175301-803   |
| Construction type  |  | B   | B  |
| Description  | Integrated gasket (TPU) and central fixing screw | P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor) | P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor) |
| Number of contacts   |  | 2 + PE  | 2 + PE   |
| Cable type   |  | PUR / PVC   | PUR / PVC  |
| Conductors specification   |  | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC   |
| Cable length   |  | 3 m   | 3 m  |
| Order no.  |  | <b>ME636V54PP12300</b>  | <b>ME635V54PP12300</b>   |
| Other standard options   | cable length 5m,                                 | order no. <b>ME636V54PP12500</b>  | order no. <b>ME635V54PP12500</b>   |
| Cable jacket colour  |  | black   | black  |
| Conductor colours  |  | brown - blue - yellow/green   | brown - blue - yellow/green  |
| Cable diameter +/-5%   |  | 6,7 mm  | 6,7 mm   |
| Cable temperature range  | static application                               | -40 °C to + 80 °C   | -40 °C to + 80 °C  |
|  | flexible application                             | -25 °C to + 80 °C   | -25 °C to + 80 °C  |
| <b>Drawing</b>   |  |   |  |
| <b>Technical data</b>  |  |   |  |
| Pin dimension  |  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| Voltage  |  | 24 V AC/DC  | 24 V AC/DC   |
| Rated current max.   |  | 5 A   | 5 A  |
| Suppressor   |  | VDR 30 Vrms 0,9 Joule   | VDR 30 Vrms 0,9 Joule  |
| LED colour   |  | yellow  | yellow   |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.  |
| Overvoltage category   |  | III   | III  |
| Mounting   |  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm  |
| Fixing screw torque  |  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  |
| <b>Material</b>  |  |   |  |
| Contact holder material  |  | PA6 GF  | PA6 GF   |
| Overmoulding material  |  | TPU   | TPU  |
| <b>Environmental conditions</b>                                      |  |   |  |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3  |
| <b>Inflammability class</b>  |  |   |  |
| Contact holder   |  | V0  | V0   |
| Moulded housing  |  | HB  | HB   |
| <b>Packaging</b>   |  |   |  |
| Minimum quantity   |  | 100 pieces  | 100 pieces   |
| Number of boxes suitable:  | 2 boxes  | <b>ME636V54PP12300</b>  | <b>ME635V54PP12300</b>   |
|  | 4 boxes  | <b>ME636V54PP12500</b>  | <b>ME635V54PP12500</b>   |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  |
| <b>Other cable options on request</b>                                |  |   |  |
| type (part number)   |  | (P113)  | (P113)   |
| Technical specifications on cables and accessories see pages 171-175 |  |   |  |

## Valve Connectors ME6 series

MOULDED IN CABLE

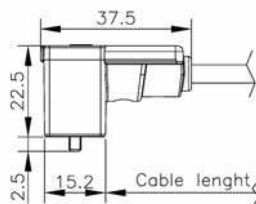
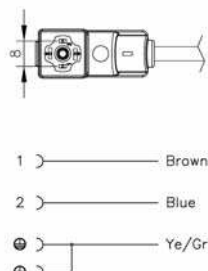


| EN175301-803  | EN175301-803   | EN175301-803  | EN175301-803   |
|---|--|---|--|
| B   | B  | B   | B  |
| P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor) | P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor) | P10 connector with moulded cable (PE) earth in H6 (next to cable outlet) function indicator (LED) protective circuit (varistor) | P10 connector with moulded cable (PE) earth in H12 (opposite from cable outlet) function indicator (LED) protective circuit (varistor) |
| 2 + PE  | 2 + PE   | 2 + PE  | 2 + PE   |
| PUR / PVC   | PUR / PVC  | PUR / PVC   | PUR / PVC  |
| 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC   | 3 G 0,75 mm <sup>2</sup> PVC  | 3 G 0,75 mm <sup>2</sup> PVC   |
| 3 m   | 3 m  | 3 m   | 3 m  |
| <b>ME636V55PP12300</b>  | <b>ME635V55PP12300</b>   | <b>ME636V56PP12300</b>  | <b>ME635V56PP12300</b>   |
| order no. <b>ME636V55PP12500</b>  | order no. <b>ME635V55PP12500</b>   | order no. <b>ME636V56PP12500</b>  | order no. <b>ME635V56PP12500</b>   |
| black   | black  | black   | black  |
| brown - blue - yellow/green   | brown - blue - yellow/green  | brown - blue - yellow/green   | brown - blue - yellow/green  |
| 6,7 mm  | 6,7 mm   | 6,7 mm  | 6,7 mm   |
| -40°C to + 80°C   | -40°C to + 80°C  | -40°C to + 80°C   | -40°C to + 80°C  |
| -25°C to + 80°C   | -25°C to + 80°C  | -25°C to + 80°C   | -25°C to + 80°C  |
|   |  |   |  |
| 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm  | 6,3 x 0,8mm ; 4,8 x 0,8mm   | 6,3 x 0,8mm ; 4,8 x 0,8mm  |
| 115 V AC/DC   | 115 V AC/DC  | 230 V AC/DC   | 230 V AC/DC  |
| 5 A   | 5 A  | 5 A   | 5 A  |
| VDR 130 Vrms 4,5 Joule  | VDR 130 Vrms 4,5 Joule   | VDR 275 Vrms 8,6 Joule  | VDR 275 Vrms 8,6 Joule   |
| yellow  | yellow   | yellow  | yellow   |
| 15mΩ max.   | 15mΩ max.  | 15mΩ max.   | 15mΩ max.  |
| III   | III  | III   | III  |
| central screw M3 x 28,5mm   | central screw M3 x 28,5mm  | central screw M3 x 28,5mm   | central screw M3 x 28,5mm  |
| 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m  |
| PA6 GF  | PA6 GF   | PA6 GF  | PA6 GF   |
| TPU   | TPU  | TPU   | TPU  |
| IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   |
| 3   | 3  | 3   | 3  |
| V0  | V0   | V0  | V0   |
| HB  | HB   | HB  | HB   |
| 100 pieces  | 100 pieces   | 100 pieces  | 100 pieces   |
| <b>ME636V55PP12300</b>  | <b>ME635V55PP12300</b>   | <b>ME636V56PP12300</b>  | <b>ME635V56PP12300</b>   |
| <b>ME636V55PP12500</b>  | <b>ME635V55PP12500</b>   | <b>ME636V56PP12500</b>  | <b>ME635V56PP12500</b>   |
| 13...15 Kg  | 13...15 Kg   | 13...15 Kg  | 13...15 Kg   |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  |
| (P113)  | (P113)   | (P113)  | (P113)   |

Form B - EN 175301-803 (DIN43650) / ISO 6952



Form C - EN 175301-803 (DIN43650)

| <b>Product description</b>   |  |   |  |
|--|--|---|--|
| Standard   |  | EN175301-803  | EN175301-803   |
| Construction type  |  | C   | C  |
| Description  | Integrated gasket (TPU) and central fixing screw | P8 connector with moulded cable (PE) earth in H6 and H12 position (bridged)         | P8 connector with moulded cable (PE) earth position H6 (next to cable outlet)        |
| Number of contacts   |  | 2 + PE / PE bridged   | 3 + PE   |
| Cable type   |  | H03VV-F VDE 0281-5 PVC  | H03VV-F VDE 0281-5 PVC   |
| Conductors specification   |  | 3 G 0,5 mm <sup>2</sup> PVC   | 4 G 0,5 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m   | 3 m  |
| Order no.  |  | <b>MC134000PA01300</b>  | <b>MC146000PA01300</b>   |
| Other standard options   | cable length 1m,<br>cable length 5m,             | order no. <b>MC134000PA01100</b><br>order no. <b>MC134000PA01500</b>                |  |
| Cable jacket colour  |  | black   | black  |
| Conductor colours  |  | brown - blue - yellow/green   | brown - black - grey - yellow/green  |
| Cable diameter +/-5%   |  | 5,5 mm  | 6,1 mm   |
| Cable temperature range  | static application<br>flexible application       | -15 °C to + 70 °C   | -15 °C to + 70 °C  |
| <b>Drawing</b>   |  |  |  |
| <b>Technical data</b>  |  |   |  |
| Pin dimension  |  | 3,6 x 0,8mm ; 2,8 x 0,8mm   | 3,6 x 0,8mm ; 2,8 x 0,8mm  |
| Rated voltage max.   |  | 250 V AC/DC   | 250 V AC/DC  |
| Rated current max.   |  | 3 A   | 3 A  |
| Suppressor   |  |   |  |
| LED colour   |  |   |  |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.  |
| Overvoltage category   |  | III   | III  |
| Mounting   |  | central screw M2,5 x 23mm   | central screw M2,5 x 23mm  |
| Fixing screw torque  |  | 0,3 - 0,4 N/m   | 0,3 - 0,4 N/m  |
| <b>Material</b>  |  |   |  |
| Contact holder material  |  | PA6 GF  | PA6 GF   |
| Overmoulding material  |  | TPU   | TPU  |
| <b>Environmental conditions</b>                                      |  |   |  |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]   |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3  |
| <b>Inflammability class</b>  |  |   |  |
| Contact holder   |  | V0  | V0   |
| Moulded housing  |  | HB  | HB   |
| <b>Packaging</b>   |  |   |  |
| Minimum quantity   |  | 100 pcs.  | 100 pcs.   |
| Number of boxes suitable :   | 1 box  | <b>MC134000PA01100</b>  |  |
|  | 2 boxes  | <b>MC134000PA01300</b>  | <b>MC146000PA01300</b>   |
|  | 4 boxes  | <b>MC134000PA01500</b>  |  |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  |
| <b>Other cable options on request</b>                                |  |   |  |
| type (part number)   |  | (A012)  |  |
| Technical specifications on cables and accessories see pages 171-175 |  |   |  |

## Valve Connectors MC1 series

MOULDED IN CABLE



|  |   |   |  |
|--|---|---|--|
| EN175301-803   | EN175301-803  | EN175301-803  |  |
| C  | C   | C   |  |
| P8 connector with moulded cable (PE) earth position H12 (opposite from cable outlet) | P8 connector with moulded cable (PE) earth in H6 and H12 position (bridged) | P8 connector with moulded cable (PE) earth in H6 and H12 position (bridged) |  |
| 3 + PE   | 2 + PE / PE bridged   | 2 + PE / PE bridged   |  |
| H03VV-F VDE 0281-5 PVC   | PUR / PVC   | CEI 2022 II O.R. PVC  |  |
| 4 G 0,5 mm <sup>2</sup> PVC  | 3 G 0,5 mm <sup>2</sup> PVC   | 3 G 0,5 mm <sup>2</sup> PVC   |  |
| 3 m  | 3 m   | 3 m   |  |
| <b>MC145000PA01300</b>   | <b>MC134000PP11300</b>  | <b>MC134000PC03300</b>  |  |
|  | order no. <b>MC134000PP11500</b>  | order no. <b>MC134000PC03500</b>  |  |
| black  | black   | grey RAL 7032   |  |
| brown - black - grey - yellow/green  | brown - blue - yellow/green   | brown - blue - yellow/green   |  |
| 6,1 mm   | 5,5 mm  | 5,5 mm  |  |
| -15°C to + 70°C  | -40°C to + 80°C   | -15°C to + 70°C   |  |
|  | -25°C to + 80°C   |   |  |
|  |   |   |  |
| 3,6 x 0,8mm ; 2,8 x 0,8mm  | 3,6 x 0,8mm ; 2,8 x 0,8mm   | 3,6 x 0,8mm ; 2,8 x 0,8mm   |  |
| 250 V AC/DC  | 250 V AC/DC   | 250 V AC/DC   |  |
| 3 A  | 3 A   | 3 A   |  |
| 15mΩ max.  | 15mΩ max.   | 15mΩ max.   |  |
| III  | III   | III   |  |
| central screw M2,5 x 23mm  | central screw M2,5 x 23mm   | central screw M2,5 x 23mm   |  |
| 0,3 - 0,4 N/m  | 0,3 - 0,4 N/m   | 0,3 - 0,4 N/m   |  |
| PA6 GF   | PA6 GF  | PA6 GF  |  |
| TPU  | TPU   | TPU   |  |
| IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |  |
| 3  | 3   | 3   |  |
| V0   | V0  | V0  |  |
| HB   | HB  | HB  |  |
| 100 pcs.   | 100 pcs.  | 100 pcs.  |  |
| <b>MC145000PA01300</b>   | <b>MC134000PP11300</b><br><b>MC134000PP11500</b>                            | <b>MC134000PC03300</b><br><b>MC134000PC03500</b>                            |  |
| 13...15 Kg   | 13...15 Kg  | 13...15 Kg  |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |  |
|  | (P112)  | (C032)  |  |

Form C - EN 175301-803 (DIN43650)



Form C - EN 175301-803 (DIN43650)

| Product description  |  | EN175301-803  | EN175301-803  |
|--|--|---|---|
| Standard   |  | EN175301-803  | EN175301-803  |
| Construction type  |  | C   | C   |
| Description  | Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged) | P8 connector with moulded cable function indicator (LED) protective circuit (diode) | P8 connector with moulded cable function indicator (LED) TVS protective circuit (transil) |
| Number of contacts   |  | 2 + PE / PE bridged   | 2 + PE / PE bridged   |
| Cable type   |  | H03VV-F VDE 0281-5 PVC  | H03VV-F VDE 0281-5 PVC  |
| Conductors specification   |  | 3 G 0,5 mm <sup>2</sup> PVC   | 3 G 0,5 mm <sup>2</sup> PVC   |
| Cable length   |  | 3 m   | 3 m   |
| Order no.  |  | <b>MC634D54TA01300</b>  | <b>MC634T54TA01300</b>  |
| Other standard options   | cable length 5m,   | order no. <b>MC634D54TA01500</b>  | order no. <b>MC634T54TA01500</b>  |
| Cable jacket colour  |  | black   | black   |
| Conductor colours  |  | brown - blue - yellow/green   | brown - blue - yellow/green   |
| Cable diameter +/-5%   |  | 5,5 mm  | 5,5 mm  |
| Cable temperature range  | static application<br>flexible application   | -15°C to + 70°C   | -15°C to + 70°C   |
| <b>Drawing</b>   |  |   |   |
| <b>Technical data</b>  |  |   |   |
| Pin dimension  |  | 3,6 x 0,8mm ; 2,8 x 0,8mm   | 3,6 x 0,8mm ; 2,8 x 0,8mm   |
| Voltage  |  | 24 V DC   | 24 V AC/DC  |
| Rated current max.   |  | 3 A   | 3 A   |
| Suppressor   |  | diode 1A 1000V  | TVS Vbr max.=37,8V Peak =400W   |
| LED colour   |  | yellow  | yellow  |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.   |
| Overvoltage category   |  | III   | III   |
| Mounting   |  | central screw M2,5 x 23   | central screw M2,5 x 23   |
| Fixing screw torque  |  | 0,3 - 0,4 N/m   | 0,3 - 0,4 N/m   |
| <b>Material</b>  |  |   |   |
| Contact holder material  |  | PA6 GF  | PA6 GF  |
| Overmoulding material  |  | TPU   | TPU   |
| <b>Environmental conditions</b>                                      |  |   |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3   |
| <b>Inflammability class</b>  |  |   |   |
| Contact holder   |  | V0  | V0  |
| Moulded housing  |  | HB  | HB  |
| <b>Packaging</b>   |  |   |   |
| Minimum quantity   |  | 100 pieces  | 100 pieces  |
| Number of boxes suitable:  | 2 boxes  | <b>MC634D54TA01300</b>  | <b>MC634T54TA01300</b>  |
|  | 4 boxes  | <b>MC634D54TA01500</b>  | <b>MC634T54TA01500</b>  |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Other cable options on request</b>                                |  |   |   |
| type (part number)   |  | (A012) (C033; C032)   | (A012) (C033; C032)   |
| Technical specifications on cables and accessories see pages 171-175 |  |   |   |



## Valve Connectors MC6 series

MOULDED IN CABLE



|   |   |  |  |
|---|---|--|--|
| EN175301-803  | EN175301-803  |  |  |
| C   | C   |  |  |
| P8 connector with moulded cable<br>function indicator (LED)<br>protective circuit (diode) | P8 connector with moulded cable<br>function indicator (LED)<br>TVS protective circuit (transil) |  |  |
| 2 + PE / PE bridged   | 2 + PE / PE bridged   |  |  |
| PUR / PVC   | PUR / PVC   |  |  |
| 3 G 0,5 mm <sup>2</sup> PVC   | 3 G 0,5 mm <sup>2</sup> PVC   |  |  |
| 3 m   | 3 m   |  |  |
| <b>MC634D54TP11300</b>  | <b>MC634T54TP11300</b>  |  |  |
| order no. <b>MC634D54TP11500</b>  | order no. <b>MC634T54TP11500</b>  |  |  |
| black   | black   |  |  |
| brown - blue - yellow/green   | brown - blue - yellow/green   |  |  |
| 5,5 mm  | 5,5 mm  |  |  |
| -40°C to + 80°C   | -40°C to + 80°C   |  |  |
| -25°C to + 80°C   | -25°C to + 80°C   |  |  |
|   |   |  |  |
| 3,6 x 0,8mm ; 2,8 x 0,8mm   | 3,6 x 0,8mm ; 2,8 x 0,8mm   |  |  |
| 24 V DC   | 24 V AC/DC  |  |  |
| 3 A   | 3 A   |  |  |
| diode 1A 1000V  | TVS Vbr max.=37,8V Peak =400W   |  |  |
| yellow  | yellow  |  |  |
| 15mΩ max.   | 15mΩ max.   |  |  |
| III   | III   |  |  |
| central screw M2,5 x 23   | central screw M2,5 x 23   |  |  |
| 0,3 - 0,4 N/m   | 0,3 - 0,4 N/m   |  |  |
| PA6 GF  | PA6 GF  |  |  |
| TPU   | TPU   |  |  |
| IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |  |  |
| 3   | 3   |  |  |
| V0  | V0  |  |  |
| HB  | HB  |  |  |
| 100 pieces  | 100 pieces  |  |  |
| <b>MC634D54TP11300</b>  | <b>MC634T54TP11300</b>  |  |  |
| <b>MC634D54TP11500</b>  | <b>MC634T54TP11500</b>  |  |  |
| 13...15 Kg  | 13...15 Kg  |  |  |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |  |  |
| (P112)  | (P112)  |  |  |

Form C - EN 175301-803 (DIN43650)



Form C - EN 175301-803 (DIN43650)

| Product description  |  | EN175301-803   | EN175301-803   |
|--|--|--|--|
| Standard   |  | EN175301-803   | EN175301-803   |
| Construction type  |  | C  | C  |
| Description  | Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged) | P8 connector with moulded cable function indicator (LED) protective circuit (varistor) | P8 connector with moulded cable function indicator (LED) protective circuit (varistor) |
| Number of contacts   |  | 2 + PE / PE bridged  | 2 + PE / PE bridged  |
| Cable type   |  | H03VV-F VDE 0281-5 PVC   | H03VV-F VDE 0281-5 PVC   |
| Conductors specification   |  | 3 G 0,5 mm <sup>2</sup> PVC  | 3 G 0,5 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m  | 3 m  |
| Order no.  |  | <b>MC634V54TA01300</b>   | <b>MC634V55TA01300</b>   |
| Other standard options   | cable length 5m,   | order no. <b>MC634V54TA01500</b>   | order no. <b>MC634V55TA01500</b>   |
| Cable jacket colour  |  | black  | black  |
| Conductor colours  |  | brown - blue - yellow/green  | brown - blue - yellow/green  |
| Cable diameter +/-5%   |  | 5,5 mm   | 5,5 mm   |
| Cable temperature range  | static application<br>flexible application   | -15°C to + 70°C  | -15°C to + 70°C  |
| <b>Drawing</b>   |  |  |  |
| <b>Technical data</b>  |  |  |  |
| Pin dimension  |  | 3,6 x 0,8mm ; 2,8 x 0,8mm  | 3,6 x 0,8mm ; 2,8 x 0,8mm  |
| Voltage  |  | 24 V AC/DC   | 115 V AC/DC  |
| Rated current max.   |  | 3 A  | 3 A  |
| Suppressor   |  | VDR 30 Vrms 0,9 Joule  | VDR 130 Vrms 4,5 Joule   |
| LED colour   |  | yellow   | yellow   |
| Contact resistance   |  | 15mΩ max.  | 15mΩ max.  |
| Overvoltage category   |  | III  | III  |
| Mounting   |  | central screw M2,5 x 23  | central screw M2,5 x 23  |
| Fixing screw torque  |  | 0,3 - 0,4 N/m  | 0,3 - 0,4 N/m  |
| <b>Material</b>  |  |  |  |
| Contact holder material  |  | PA6 GF   | PA6 GF   |
| Overmoulding material  |  | TPU  | TPU  |
| <b>Environmental conditions</b>                                      |  |  |  |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3  |
| <b>Inflammability class</b>  |  |  |  |
| Contact holder   |  | V0   | V0   |
| Moulded housing  |  | HB   | HB   |
| <b>Packaging</b>   |  |  |  |
| Minimum quantity   |  | 100 pieces   | 100 pieces   |
| Number of boxes suitable:  | 2 boxes  | <b>MC634V54TA01300</b>   | <b>MC634V55TA01300</b>   |
|  | 4 boxes  | <b>MC634V55TA01500</b>   | <b>MC634V55TA01500</b>   |
| Approximate weight per box   |  | 13...15 Kg   | 13...15 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| <b>Other cable options on request</b>                                |  |  |  |
| type (part number)   |  | (A012) (C033; C032)  | (A012) (C033; C032)  |
| Technical specifications on cables and accessories see pages 171-175 |  |  |  |

## Valve Connectors MC6 series

MOULDED IN CABLE



| EN175301-803   | EN175301-803   | EN175301-803   | EN175301-803   |
|--|--|--|--|
| C  | C  | C  | C  |
| P8 connector with moulded cable function indicator (LED) protective circuit (varistor) | P8 connector with moulded cable function indicator (LED) protective circuit (varistor) | P8 connector with moulded cable function indicator (LED) protective circuit (varistor) | P8 connector with moulded cable function indicator (LED) protective circuit (varistor) |
| 2 + PE / PE bridged  | 2 + PE / PE bridged  | 2 + PE / PE bridged  | 2 + PE / PE bridged  |
| H03VV-F VDE 0281-5 PVC   | PUR / PVC  | PUR / PVC  | PUR / PVC  |
| 3 G 0,5 mm <sup>2</sup> PVC  | 3 G 0,5 mm <sup>2</sup> PVC  | 3 G 0,5 mm <sup>2</sup> PVC  | 3 G 0,5 mm <sup>2</sup> PVC  |
| 3 m  | 3 m  | 3 m  | 3 m  |
| <b>MC634V56TA01300</b>   | <b>MC634V54TP11300</b>   | <b>MC634V55TP11300</b>   | <b>MC634V56TP11300</b>   |
| order no. <b>MC634V56TA01500</b>   | order no. <b>MC634V54TP11500</b>   | order no. <b>MC634V55TP11500</b>   | order no. <b>MC634V56TP11500</b>   |
| black  | black  | black  | black  |
| brown - blue - yellow/green  | brown - blue - yellow/green  | brown - blue - yellow/green  | brown - blue - yellow/green  |
| 5,5 mm   | 5,5 mm   | 5,5 mm   | 5,5 mm   |
| -15°C to + 70°C  | -40°C to + 80°C  | -40°C to + 80°C  | -40°C to + 80°C  |
|  | -25°C to + 80°C  | -25°C to + 80°C  | -25°C to + 80°C  |
|  |  |  |  |
| 3,6 x 0,8mm ; 2,8 x 0,8mm  | 3,6 x 0,8mm ; 2,8 x 0,8mm  | 3,6 x 0,8mm ; 2,8 x 0,8mm  | 3,6 x 0,8mm ; 2,8 x 0,8mm  |
| 230 V AC/DC  | 24 V AC/DC   | 115 V AC/DC  | 230 V AC/DC  |
| 3 A  | 3 A  | 3 A  | 3 A  |
| VDR 275 Vrms 8,6 Joule   | VDR 30 Vrms 0,9 Joule  | VDR 130 Vrms 4,5 Joule   | VDR 275 Vrms 8,6 Joule   |
| yellow   | yellow   | yellow   | yellow   |
| 15mΩ max.  | 15mΩ max.  | 15mΩ max.  | 15mΩ max.  |
| III  | III  | III  | III  |
| central screw M2,5 x 23  | central screw M2,5 x 23  | central screw M2,5 x 23  | central screw M2,5 x 23  |
| 0,3 - 0,4 N/m  | 0,3 - 0,4 N/m  | 0,3 - 0,4 N/m  | 0,3 - 0,4 N/m  |
| PA6 GF   | PA6 GF   | PA6 GF   | PA6 GF   |
| TPU  | TPU  | TPU  | TPU  |
| IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   |
| 3  | 3  | 3  | 3  |
| V0   | V0   | V0   | V0   |
| HB   | HB   | HB   | HB   |
| 100 pieces   | 100 pieces   | 100 pieces   | 100 pieces   |
| <b>MC634V56TA01300</b>   | <b>MC634V54TP11300</b>   | <b>MC634V55TP11300</b>   | <b>MC634V56TP11300</b>   |
| <b>MC634V56TA01500</b>   | <b>MC634V54TP11500</b>   | <b>MC634V55TP11500</b>   | <b>MC634V56TP11500</b>   |
| 13...15 Kg   | 13...15 Kg   | 13...15 Kg   | 13...15 Kg   |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| (A012) (C033; C032)  | (P112)   | (P112)   | (P112)   |

Form C - EN 175301-803 (DIN43650)



| Product description  |  | Industrial standard (9,4 mm)  | Industrial standard (9,4 mm)  |
|--|--|---|---|
| Standard   |  | C   | C   |
| Construction type  |  | C   | C   |
| Description  | Integrated gasket (TPU) and central fixing screw | P9,4 connector with moulded cable (PE) earth in H6 and H12 position (bridged) | P9,4 connector with moulded cable (PE) earth position H6 (next to cable outlet) |
| Number of contacts   |  | 2 + PE / PE bridged   | 3 + PE  |
| Cable type   |  | H03VV-F VDE 0281-5 PVC  | H03VV-F VDE 0281-5 PVC  |
| Conductors specification   |  | 3 G 0,5 mm <sup>2</sup> PVC   | 4 G 0,5 mm <sup>2</sup> PVC   |
| Cable length   |  | 3 m   | 3 m   |
| Order no.  |  | <b>MD134000PA01300</b>  | <b>MD146000PA01300</b>  |
| Other standard options   | cable length 1m,<br>cable length 5m,             | order no. <b>MD134000PA01100</b><br>order no. <b>MD134000PA01500</b>          |   |
| Cable jacket colour  |  | black   | black   |
| Conductor colours  |  | brown - blue - yellow/green   | brown - black - grey - yellow/green   |
| Cable diameter +/-5%   |  | 5,5 mm  | 6,1 mm  |
| Cable temperature range  | static application<br>flexible application       | -15 °C to + 70 °C   | -15 °C to + 70 °C   |
| <b>Drawing</b>   |  |   |   |
| <b>Technical data</b>  |  |   |   |
| Pin dimension  |  | 3,6 x 0,5mm ; 2,8 x 0,5mm   | 3,6 x 0,5mm ; 2,8 x 0,5mm   |
| Voltage  |  | 250 V AC/DC   | 250 V AC/DC   |
| Rated current max.   |  | 3 A   | 3 A   |
| Suppressor   |  |   |   |
| LED colour   |  |   |   |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.   |
| Overvoltage category   |  | III   | III   |
| Mounting   |  | central screw M3 x 23   | central screw M3 x 23   |
| Fixing screw torque  |  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |   |   |
| Contact holder material  |  | PA6 GF  | PA6 GF  |
| Overmoulding material  |  | TPU   | TPU   |
| <b>Environmental conditions</b>                                      |  |   |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3   |
| <b>Inflammability class</b>  |  |   |   |
| Contact holder   |  | V0  | V0  |
| Moulded housing  |  | HB  | HB  |
| <b>Packaging</b>   |  |   |   |
| Minimum quantity   |  | 100 pcs.  | 100 pcs.  |
| Number of boxes suitable:  | 1 box  | <b>MD134000PA01100</b>  |   |
|  | 2 boxes  | <b>MD134000PA01300</b>  | <b>MD146000PA01300</b>  |
|  | 4 boxes  | <b>MD134000PA01500</b>  |   |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Other cable options on request</b>                                |  |   |   |
| type (part number)   |  | (A012)  |   |
| Technical specifications on cables and accessories see pages 171-175 |  |   |   |

## Valve Connectors MD1 series

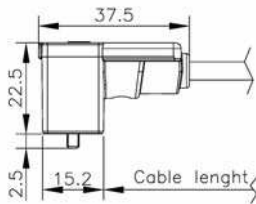
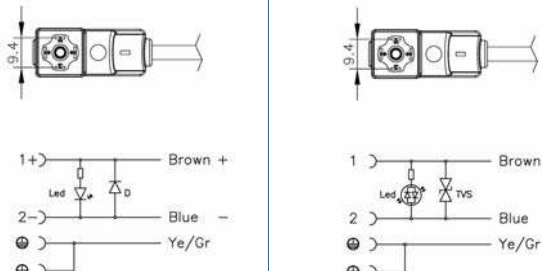
MOULDED IN CABLE



|  |  |   |   |  |
|--|--|---|---|--|
|  | Industrial standard (9,4 mm)   | Industrial standard (9,4 mm)  | Industrial standard (9,4 mm)  |  |
|  | C  | C   | C   |  |
|  | P9,4 connector with moulded cable (PE) earth position H12 (opposite from cable outlet) | P9,4 connector with moulded cable (PE) earth in H6 and H12 position (bridged) | P9,4 connector with moulded cable (PE) earth in H6 and H12 position (bridged) |  |
|  | 3 + PE   | 2 + PE / PE bridged   | 2 + PE / PE bridged   |  |
|  | H03VV-F VDE 0281-5 PVC   | PUR / PVC   | CEI 2022 II O.R. PVC  |  |
|  | 4 G 0,5 mm <sup>2</sup> PVC  | 3 G 0,5 mm <sup>2</sup> PVC   | 3 G 0,5 mm <sup>2</sup> PVC   |  |
|  | 3 m  | 3 m   | 3 m   |  |
|  | <b>MD145000PA01300</b>   | <b>MD134000PP11300</b>  | <b>MD134000PC03300</b>  |  |
|  |  | order no. <b>MD134000PP11500</b>  | order no. <b>MD134000PC03500</b>  |  |
|  | black  | black   | grey RAL 7032   |  |
|  | brown - black - grey - yellow/green  | brown - blue - yellow/green   | brown - blue - yellow/green   |  |
|  | 6,1 mm   | 5,0 mm  | 5,5 mm  |  |
|  | -15°C to + 70°C  | -40°C to + 80°C   | -15°C to + 70°C   |  |
|  |  | -25°C to + 80°C   |   |  |
|  | <p>1 — Brown<br/>2 — Grey<br/>3 — Black<br/>⊕ — Ye/Gr</p>                              | <p>1 — Brown<br/>2 — Blue<br/>⊕ — Ye/Gr</p>                                   | <p>1 — Brown<br/>2 — Blue<br/>⊕ — Ye/Gr</p>                                   |  |
|  | 3,6 x 0,5mm ; 2,8 x 0,5mm  | 3,6 x 0,5mm ; 2,8 x 0,5mm   | 3,6 x 0,5mm ; 2,8 x 0,5mm   |  |
|  | 250 V AC/DC  | 250 V AC/DC   | 250 V AC/DC   |  |
|  | 3 A  | 3 A   | 3 A   |  |
|  | 15mΩ max.  | 15mΩ max.   | 15mΩ max.   |  |
|  | III  | III   | III   |  |
|  | central screw M3 x 23  | central screw M3 x 23   | central screw M3 x 23   |  |
|  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   |  |
|  | PA6 GF   | PA6 GF  | PA6 GF  |  |
|  | TPU  | TPU   | TPU   |  |
|  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |  |
|  | 3  | 3   | 3   |  |
|  | V0   | V0  | V0  |  |
|  | HB   | HB  | HB  |  |
|  | 100 pcs.   | 100 pcs.  | 100 pcs.  |  |
|  | <b>MD145000PA01300</b>   | <b>MD134000PP11300</b><br><b>MD134000PP11500</b>                              | <b>MD134000PC03300</b><br><b>MD134000PC03500</b>                              |  |
|  | 13...15 Kg   | 13...15 Kg  | 13...15 Kg  |  |
|  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |  |
|  |  | (P112)  | (C032)  |  |

Form C - INDUSTRIAL

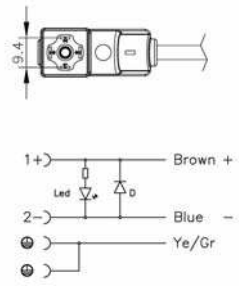
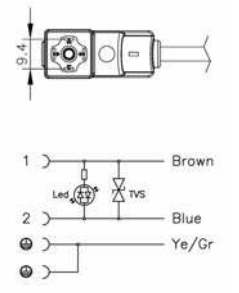


| Product description  |  | Industrial standard (9,4 mm)  | Industrial standard (9,4 mm)  |
|--|--|---|---|
| Standard   |  | C   | C   |
| Construction type  |  | C   | C   |
| Description  | Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged) | P9,4 connector with moulded cable function indicator (LED) protective circuit (diode) | P9,4 connector with moulded cable function indicator (LED) TVS protective circuit (transil) |
| Number of contacts   |  | 2 + PE / PE bridged   | 2 + PE / PE bridged   |
| Cable type   |  | H03VV-F VDE 0281-5 PVC  | H03VV-F VDE 0281-5 PVC  |
| Conductors specification   |  | 3 G 0,5 mm <sup>2</sup> PVC   | 3 G 0,5 mm <sup>2</sup> PVC   |
| Cable length   |  | 3 m   | 3 m   |
| Order no.  |  | <b>MD634D54TA01300</b>  | <b>MD634T54TA01300</b>  |
| Other standard options   | cable length 5m,   | order no. <b>MD634D54TA01500</b>  | order no. <b>MD634T54TA01500</b>  |
| Cable jacket colour  |  | black   | black   |
| Conductor colours  |  | brown - blue - yellow/green   | brown - blue - yellow/green   |
| Cable diameter +/-5%   |  | 5,5 mm  | 5,5 mm  |
| Cable temperature range  | static application<br>flexible application   | -15°C to + 70°C   | -15°C to + 70°C   |
| <b>Drawing</b>   |  |    |         |
| <b>Technical data</b>  |  |   |   |
| Pin dimension  |  | 3,6 x 0,5mm ; 2,8 x 0,5mm   | 3,6 x 0,5mm ; 2,8 x 0,5mm   |
| Voltage  |  | 24 V DC   | 24 V AC/DC  |
| Rated current max.   |  | 3 A   | 3 A   |
| Suppressor   |  | diode 1A 1000V  | TVS Vbr max.=37,8V Peak =400W   |
| LED colour   |  | yellow  | yellow  |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.   |
| Overvoltage category   |  | III   | III   |
| Mounting   |  | central screw M3 x 23   | central screw M3 x 23   |
| Fixing screw torque  |  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |   |   |
| Contact holder material  |  | PA6 GF  | PA6 GF  |
| Overmoulding material  |  | TPU   | TPU   |
| <b>Environmental conditions</b>                                      |  |   |   |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3   |
| <b>Inflammability class</b>  |  |   |   |
| Contact holder   |  | V0  | V0  |
| Moulded housing  |  | HB  | HB  |
| <b>Packaging</b>   |  |   |   |
| Minimum quantity   |  | 100 pieces  | 100 pieces  |
| Number of boxes suitable:  | 2 boxes  | <b>MD634D54TA01300</b>  | <b>MD634T54TA01300</b>  |
|  | 4 boxes  | <b>MD634D54TA01500</b>  | <b>MD634T54TA01500</b>  |
| Approximate weight per box   |  | 13...15 Kg  | 13...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Other cable options on request</b>                                |  |   |   |
| type (part number)   |  | (A012) (C033; C032)   | (A012) (C033; C032)   |
| Technical specifications on cables and accessories see pages 171-175 |  |   |   |

## Valve Connectors MD6 series

MOULDED IN CABLE



|  |   |   |  |  |
|--|---|---|--|--|
|  | Industrial standard (9,4 mm)  | Industrial standard (9,4 mm)  |  |  |
|  | C   | C   |  |  |
|  | P9,4 connector with moulded cable function indicator (LED) protective circuit (diode) | P9,4 connector with moulded cable function indicator (LED) TVS protective circuit (transil) |  |  |
|  | 2 + PE / PE bridged   | 2 + PE / PE bridged   |  |  |
|  | PUR / PVC   | PUR / PVC   |  |  |
|  | 3 G 0,5 mm <sup>2</sup> PVC   | 3 G 0,5 mm <sup>2</sup> PVC   |  |  |
|  | 3 m   | 3 m   |  |  |
|  | <b>MD634D54TP11300</b>  | <b>MD634T54TP11300</b>  |  |  |
|  | order no. <b>MD634D54TP11500</b>  | order no. <b>MD634T54TP11500</b>  |  |  |
|  | black   | black   |  |  |
|  | brown - blue - yellow/green   | brown - blue - yellow/green   |  |  |
|  | 5,0 mm  | 5,0 mm  |  |  |
|  | -40°C to + 80°C   | -40°C to + 80°C   |  |  |
|  | -25°C to + 80°C   | -25°C to + 80°C   |  |  |
|  |    |          |  |  |
|  | 3,6 x 0,5mm ; 2,8 x 0,5mm   | 3,6 x 0,5mm ; 2,8 x 0,5mm   |  |  |
|  | 24 V DC   | 24 V AC/DC  |  |  |
|  | 3 A   | 3 A   |  |  |
|  | diode 1A 1000V  | TVS Vbr max.=37,8V Peak =400W   |  |  |
|  | yellow  | yellow  |  |  |
|  | 15mΩ max.   | 15mΩ max.   |  |  |
|  | III   | III   |  |  |
|  | central screw M3 x 23   | central screw M3 x 23   |  |  |
|  | 0,3 - 0,5 N/m   | 0,3 - 0,5 N/m   |  |  |
|  | PA6 GF  | PA6 GF  |  |  |
|  | TPU   | TPU   |  |  |
|  | IP65 , IP67 , [IP69K DIN40050-9]  | IP65 , IP67 , [IP69K DIN40050-9]  |  |  |
|  | 3   | 3   |  |  |
|  | V0  | V0  |  |  |
|  | HB  | HB  |  |  |
|  | 100 pieces  | 100 pieces  |  |  |
|  | <b>MD634D54TP11300</b>  | <b>MD634T54TP11300</b>  |  |  |
|  | <b>MD634D54TP11500</b>  | <b>MD634T54TP11500</b>  |  |  |
|  | 13...15 Kg  | 13...15 Kg  |  |  |
|  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |  |  |
|  | (P112)  | (P112)  |  |  |

Form C - INDUSTRIAL





| Product description  |  | Industrial standard (9,4 mm)   | Industrial standard (9,4 mm)   |
|--|--|--|--|
| Standard   |  | C  | C  |
| Construction type  |  | C  | C  |
| Description  | Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged) | P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor) | P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor) |
| Number of contacts   |  | 2 + PE / PE bridged  | 2 + PE / PE bridged  |
| Cable type   |  | H03VV-F VDE 0281-5 PVC   | H03VV-F VDE 0281-5 PVC   |
| Conductors specification   |  | 3 G 0,5 mm <sup>2</sup> PVC  | 3 G 0,5 mm <sup>2</sup> PVC  |
| Cable length   |  | 3 m  | 3 m  |
| Order no.  |  | <b>MD634V54TA01300</b>   | <b>MD634V55TA01300</b>   |
| Other standard options   | cable length 5m,   | order no. <b>MD634V54TA01500</b>   | order no. <b>MD634V55TA01500</b>   |
| Cable jacket colour  |  | black  | black  |
| Conductor colours  |  | brown - blue - yellow/green  | brown - blue - yellow/green  |
| Cable diameter +/-5%   |  | 5,5 mm   | 5,5 mm   |
| Cable temperature range  | static application<br>flexible application   | -15°C to + 70°C  | -15°C to + 70°C  |
| <b>Drawing</b>   |  |  |  |
| <b>Technical data</b>  |  |  |  |
| Pin dimension  |  | 3,6 x 0,5mm ; 2,8 x 0,5mm  | 3,6 x 0,5mm ; 2,8 x 0,5mm  |
| Voltage  |  | 24 V AC/DC   | 115 V AC/DC  |
| Rated current max.   |  | 3 A  | 3 A  |
| Suppressor   |  | VDR 30 Vrms 0,9 Joule  | VDR 130 Vrms 4,5 Joule   |
| LED colour   |  | yellow   | yellow   |
| Contact resistance   |  | 15mΩ max.  | 15mΩ max.  |
| Overvoltage category   |  | III  | III  |
| Mounting   |  | central screw M3 x 23  | central screw M3 x 23  |
| Fixing screw torque  |  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  |
| <b>Material</b>  |  |  |  |
| Contact holder material  |  | PA6 GF   | PA6 GF   |
| Overmoulding material  |  | TPU  | TPU  |
| <b>Environmental conditions</b>                                      |  |  |  |
| Protection class (EN 60529)  |  | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3  |
| <b>Inflammability class</b>  |  |  |  |
| Contact holder   |  | V0   | V0   |
| Moulded housing  |  | HB   | HB   |
| <b>Packaging</b>   |  |  |  |
| Minimum quantity   |  | 100 pieces   | 100 pieces   |
| Number of boxes suitable:  | 2 boxes<br>4 boxes   | <b>MD634V54TA01300</b><br><b>MD634V54TA01500</b>   | <b>MD634V55TA01300</b><br><b>MD634V55TA01500</b>   |
| Approximate weight per box   |  | 13...15 Kg   | 13...15 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| <b>Other cable options on request</b>                                |  |  |  |
| type (part number)   |  | (A012)   | (A012)   |
| Technical specifications on cables and accessories see pages 171-175 |  |  |  |

## Valve Connectors MD6 series

MOULDED IN CABLE





















| Industrial standard (9,4 mm)   | Industrial standard (9,4 mm)   | Industrial standard (9,4 mm)   | Industrial standard (9,4 mm)   |
|--|--|--|--|
| C  | C  | C  | C  |
| P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor) | P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor) | P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor) | P9,4 connector with moulded cable function indicator (LED) protective circuit (varistor) |
| 2 + PE / PE bridged  | 2 + PE / PE bridged  | 2 + PE / PE bridged  | 2 + PE / PE bridged  |
| H03VV-F VDE 0281-5 PVC   | PUR / PVC  | PUR / PVC  | PUR / PVC  |
| 3 G 0,5 mm <sup>2</sup> PVC  | 3 G 0,5 mm <sup>2</sup> PVC  | 3 G 0,5 mm <sup>2</sup> PVC  | 3 G 0,5 mm <sup>2</sup> PVC  |
| 3 m  | 3 m  | 3 m  | 3 m  |
| <b>MD634V56TA01300</b>   | <b>MD634V54TP11300</b>   | <b>MD634V55TP11300</b>   | <b>MD634V56TP11300</b>   |
| order no. <b>MD634V56TA01500</b>   | order no. <b>MD634V54TP11500</b>   | order no. <b>MD634V55TP11500</b>   | order no. <b>MD634V56TP11500</b>   |
| black  | black  | black  | black  |
| brown - blue - yellow/green  | brown - blue - yellow/green  | brown - blue - yellow/green  | brown - blue - yellow/green  |
| 5,0 mm   | 5,0 mm   | 5,0 mm   | 5,0 mm   |
| -15°C to + 70°C  | -40°C to + 80°C  | -40°C to + 80°C  | -40°C to + 80°C  |
|  | -25°C to + 80°C  | -25°C to + 80°C  | -25°C to + 80°C  |
|  |  |  |  |
| 3,6 x 0,5mm ; 2,8 x 0,5mm  | 3,6 x 0,5mm ; 2,8 x 0,5mm  | 3,6 x 0,5mm ; 2,8 x 0,5mm  | 3,6 x 0,5mm ; 2,8 x 0,5mm  |
| 230 V AC/DC  | 24 V AC/DC   | 115 V AC/DC  | 230 V AC/DC  |
| 3 A  | 3 A  | 3 A  | 3 A  |
| VDR 275 Vrms 8,6 Joule   | VDR 30 Vrms 0,9 Joule  | VDR 130 Vrms 4,5 Joule   | VDR 275 Vrms 8,6 Joule   |
| yellow   | yellow   | yellow   | yellow   |
| 15mΩ max.  | 15mΩ max.  | 15mΩ max.  | 15mΩ max.  |
| III  | III  | III  | III  |
| central screw M3 x 23  | central screw M3 x 23  | central screw M3 x 23  | central screw M3 x 23  |
| 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  | 0,3 - 0,5 N/m  |
| PA6 GF   | PA6 GF   | PA6 GF   | PA6 GF   |
| TPU  | TPU  | TPU  | TPU  |
| IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   | IP65 , IP67 , [IP69K DIN40050-9]   |
| 3  | 3  | 3  | 3  |
| V0   | V0   | V0   | V0   |
| HB   | HB   | HB   | HB   |
| 100 pieces   | 100 pieces   | 100 pieces   | 100 pieces   |
| <b>MD634V56TA01300</b>   | <b>MD634V54TP11300</b>   | <b>MD634V55TP11300</b>   | <b>MD634V56TP11300</b>   |
| <b>MD634V56TA01500</b>   | <b>MD634V54TP11500</b>   | <b>MD634V55TP11500</b>   | <b>MD634V56TP11500</b>   |
| 13...15 Kg   | 13...15 Kg   | 13...15 Kg   | 13...15 Kg   |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
|  |  |  |  |
| (A012)   | (P112)   | (P112)   | (P112)   |

Form C - INDUSTRIAL



## Valve connectors EN 175301-803

MOULDED CABLE AND M12 CONNECTORS

| DESCRIPTION  | PAG   |
|--|---|
| <b>SERIES: JA + M12 straight male</b>     | FORM A (contact spacing 18mm)<br>Valve connector with circuits (black with transparent lens)<br>with M12 straight male connector .....106                     |
| <b>SERIES: JA + M12 angled male</b>       | FORM A (contact spacing 18mm)<br>Valve connector with circuits (black with transparent lens)<br>with M12 angled male connector .....107                       |
| <b>SERIES: YA + M12 straight male</b>     | FORM A (contact spacing 18mm)<br>Double valve connector with circuits (black with transparent lens)<br>with M12 Y straight male connector .....114            |
| <b>SERIES: JDA + M12 straight male</b>    | FORM A (contact spacing 18mm)<br>Valve connector with circuits (transparent)<br>with M12 straight male adaptor .....119                                       |
| <b>SERIES: JB + M12 straight male</b>     | FORM B industrial (contact spacing 11mm)<br>Valve connector with circuits (black with transparent lens)<br>with M12 straight male connector .....108          |
| <b>SERIES: JB + M12 angled male</b>       | FORM B industrial (contact spacing 11mm)<br>Valve connector with circuits (black with transparent lens)<br>with M12 angled male connector .....109            |
| <b>SERIES: YB + M12 straight male</b>     | FORM B industrial (contact spacing 11mm)<br>Double valve connector with circuits (black with transparent lens)<br>with M12 Y straight male connector .....115 |
| <b>SERIES: JDB + M12 straight male</b>  | FORM B industrial (contact spacing 11mm)<br>Valve connector with circuits (transparent)<br>with M12 straight male adaptor .....120                            |
| <b>SERIES: JE + M12 straight male</b>   | FORM B (contact spacing 10mm)<br>Valve connector with circuits (black with transparent lens)<br>with M12 straight male connector .....110                     |
| <b>SERIES: JE + M12 angled male</b>     | FORM B (contact spacing 10mm)<br>Valve connector with circuits (black with transparent lens)<br>with M12 angled male connector .....111                       |
| <b>SERIES: YE + M12 straight male</b>   | FORM B (contact spacing 10mm)<br>Double valve connector with circuits (black with transparent lens)<br>with M12 Y straight male connector .....116            |
| <b>SERIES: JDE + M12 straight male</b>  | FORM B (contact spacing 10mm)<br>Valve connector with circuits (transparent)<br>with M12 straight male adaptor .....121                                       |
| <b>SERIES: JC + M12 straight male</b>   | FORM C (contact spacing 8mm)<br>Valve connector with circuits (transparent)<br>with M12 straight male connector .....112                                      |
| <b>SERIES: JC + M12 angled male</b>     | FORM C (contact spacing 8mm)<br>Valve connector with circuits (transparent)<br>with M12 angled male connector .....112  |
| <b>SERIES: YC + M12 straight male</b>   | FORM C (contact spacing 8mm)<br>Double valve connector with circuits (transparent)<br>with M12 Y straight male connector .....117                             |
| <b>SERIES: JD + M12 straight male</b>   | FORM C industrial (contact spacing 9,4mm)<br>Valve connector with circuits (transparent)<br>with M12 straight male connector .....113                         |
| <b>SERIES: JD + M12 angled male</b>     | FORM C industrial (contact spacing 9,4mm)<br>Valve connector with circuits (transparent)<br>with M12 angled male connector .....113                           |
| <b>SERIES: YD + M12 straight male</b>   | FORM C industrial (contact spacing 9,4mm)<br>Double valve connector with circuits (transparent)<br>with M12 Y straight male connector .....118                |

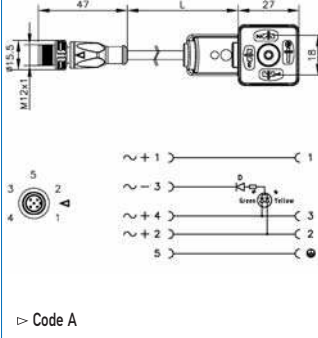
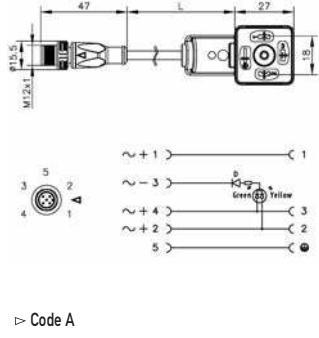
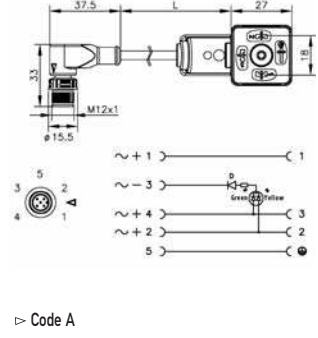
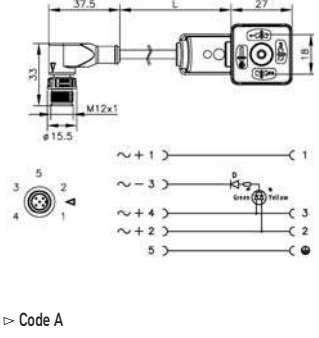


| Product description  |  |   |   |
|--|--|---|---|
| Standard   |  | IEC 61076-2-101 ; EN175301-803  | IEC 61076-2-101 ; EN175301-803  |
| Construction type  |  | A   | A   |
| Description  | M12 male and P18 valve connector with moulded cable integrated gasket and central fixing screw | (PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil) | (PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil) |
| Housing colour   |  | black   | black   |
| Number of contacts   |  | 2 + PE / PE bridged   | 2 + PE / PE bridged   |
| Cable type   |  | PUR/PVC   | PUR/PVC   |
| Conductors specification   |  | 0,50 mm <sup>2</sup>  | 0,50 mm <sup>2</sup>  |
| Cable length   |  | 1 m   | 1 m   |
| Order no.  |  | <b>JA634T54DP11100</b>  | <b>JA634T54KP11100</b>  |
| Other standard options   | cable length 2m,   | order no. <b>JA634T54DP11200</b>  | order no. <b>JA634T54KP11200</b>  |
| Cable jacket colour  |  | black   | black   |
| Cable diameter +/-5%   |  | 5,5 mm  | 5,5 mm  |
| Temperature range  | static application   | -40°C to + 80°C   | -40°C to + 80°C   |
|  | flexible application   | -25°C to + 80°C   | -25°C to + 80°C   |
| <b>Drawing</b>   |  | <p>▷ Code A</p>   | <p>▷ Code A</p>   |
| <b>Technical data</b>  |  |   |   |
| Pin dimension  | M12 ; valve connector  | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   |
| Voltage  |  | 24 V AC/DC  | 24 V AC/DC  |
| Rated current max.   |  | 4 A   | 4 A   |
| Suppressor   |  | TVS Vbr max.=37,8V Peak =400W   | TVS Vbr max.=37,8V Peak =400W   |
| LED colour   |  | yellow  | yellow  |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.   |
| Overvoltage category   |  | III   | III   |
| Mounting   | M12 ; valve connector  | lock nut M12x1; central screw M3x28,5mm   | lock nut M12x1; central screw M3x28,5mm   |
| Fixing screw torque  | M12 ; valve connector  | 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m   | 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |   |   |
| Contact material   | M12 ; valve connector  | CuSn gold plated; CuSn silver plated  | CuSn gold plated; CuSn silver plated  |
| Contact holder material  | M12 ; valve connector  | PA6T/ 61 GF blue; PA6 GF  | PA6T/ 61 GF blue; PA6 GF  |
| Overmoulding material  |  | TPU   | TPU   |
| Coupling nut material  |  | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   |
| <b>Environmental conditions</b>                                      |  |   |   |
| Protection class (EN 60529)  |  | IP67  | IP67  |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3   |
| <b>Inflammability class</b>  |  |   |   |
| Contact holder   | M12 ; valve connector  | UL; V0  | UL; V0  |
| Moulded housing  |  | HB  | HB  |
| <b>Packaging</b>   |  |   |   |
| Minimum quantity   |  | 100 pieces  | 100 pieces  |
| Number of boxes suitable:  | 1 box  | <b>JA634T54DP11100</b>  | <b>JA634T54KP11100</b>  |
|  | 2 boxes  | <b>JA634T54DP11200</b>  | <b>JA634T54KP11200</b>  |
| Approximate weight per box   |  | 10...15 Kg  | 10...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Notes</b>   |  |   |   |
| Technical specifications on cables and accessories see pages 171-175 |  |   |   |

## Jumper Connectors JA series

MOULDED IN CABLE + M12



|   |   |   |   |
|---|---|---|---|
| IEC 61076-2-101 ; EN175301-803  | IEC 61076-2-101 ; EN175301-803  | IEC 61076-2-101 ; EN175301-803  | IEC 61076-2-101 ; EN175301-803  |
| A   | A   | A   | A   |
| (PE) earth in H12 position<br>function indicator bi-color LED<br>for pressure switch device       | (PE) earth in H6 position<br>function indicator bi-color LED<br>for pressure switch device        | (PE) earth in H12 position<br>function indicator bi-color LED<br>for pressure switch device       | (PE) earth in H6 position<br>function indicator bi-color LED<br>for pressure switch device        |
| black   | black   | black   | black   |
| 3 + PE  | 3 + PE  | 3 + PE  | 3 + PE  |
| PUR/PVC   | PUR/PVC   | PUR/PVC   | PUR/PVC   |
| 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |
| 1 m   | 1 m   | 1 m   | 1 m   |
| <b>JA655P3YDP25100</b>  | <b>JA656P3YDP25100</b>  | <b>JA655P3YKP25100</b>  | <b>JA656P3YKP25100</b>  |
| order no. <b>JA655P3YDP25200</b>  | order no. <b>JA656P3YDP25200</b>  | order no. <b>JA655P3YKP25200</b>  | order no. <b>JA656P3YKP25200</b>  |
| black   | black   | black   | black   |
| 5,0 mm  | 5,0 mm  | 5,0 mm  | 5,0 mm  |
| -40°C to + 80°C   | -40°C to + 80°C   | -40°C to + 80°C   | -40°C to + 80°C   |
| -25°C to + 80°C   | -25°C to + 80°C   | -25°C to + 80°C   | -25°C to + 80°C   |
|                |                |               |              |
| ▷ Code A  | ▷ Code A  | ▷ Code A  | ▷ Code A  |
| 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   |
| 24 V AC/DC  | 24 V AC/DC  | 24 V AC/DC  | 24 V AC/DC  |
| 4 A   | 4 A   | 4 A   | 4 A   |
| yellow (pin 2) green (pin 3)  | yellow (pin 2) green (pin 3)  | yellow (pin 2) green (pin 3)  | yellow (pin 2) green (pin 3)  |
| 15mΩ max.   | 15mΩ max.   | 15mΩ max.   | 15mΩ max.   |
| III   | III   | III   | III   |
| lock nut M12x1; central screw M3x28,5mm<br>0,5 - 0,8 N/m ; 0,3 - 0,5 N/m                          | lock nut M12x1; central screw M3x28,5mm<br>0,5 - 0,8 N/m ; 0,3 - 0,5 N/m                          | lock nut M12x1; central screw M3x28,5mm<br>0,5 - 0,8 N/m ; 0,3 - 0,5 N/m                          | lock nut M12x1; central screw M3x28,5mm<br>0,5 - 0,8 N/m ; 0,3 - 0,5 N/m                          |
| CuSn gold plated; CuSn silver plated<br>PA6T/ 61 GF blue; PA6 GF<br>TPU<br>Zamak 15 / ZnA14Cu1    | CuSn gold plated; CuSn silver plated<br>PA6T/ 61 GF blue; PA6 GF<br>TPU<br>Zamak 15 / ZnA14Cu1    | CuSn gold plated; CuSn silver plated<br>PA6T/ 61 GF blue; PA6 GF<br>TPU<br>Zamak 15 / ZnA14Cu1    | CuSn gold plated; CuSn silver plated<br>PA6T/ 61 GF blue; PA6 GF<br>TPU<br>Zamak 15 / ZnA14Cu1    |
| IP67  | IP67  | IP67  | IP67  |
| 3   | 3   | 3   | 3   |
| UL; V0<br>HB  | UL; V0<br>HB  | UL; V0<br>HB  | UL; V0<br>HB  |
| 100 pieces<br><b>JA655P3YDP25100</b><br><b>JA655P3YDP25200</b><br>10...15 Kg<br>39 x 39 x 19,5 cm | 100 pieces<br><b>JA656P3YDP25100</b><br><b>JA656P3YDP25200</b><br>10...15 Kg<br>39 x 39 x 19,5 cm | 100 pieces<br><b>JA655P3YKP25100</b><br><b>JA655P3YKP25200</b><br>10...15 Kg<br>39 x 39 x 19,5 cm | 100 pieces<br><b>JA656P3YKP25100</b><br><b>JA656P3YKP25200</b><br>10...15 Kg<br>39 x 39 x 19,5 cm |

Form A - EN 175301-803 (DIN43650) / ISO 4400



| <b>Product description</b>   |  |  |   |  |
|--|--|--|---|--|
| Standard   |  | IEC 61076-2-101 ; INDUSTRIAL 11mm  | IEC 61076-2-101 ; INDUSTRIAL 11mm   |  |
| Construction type  |  | B  | B   |  |
| Description  | M12 male and P11 valve connector with moulded cable integrated gasket and central fixing screw | (PE) earth in H6 function indicator (LED) TVS protective circuit (transil) | (PE) earth in H12 function indicator (LED) TVS protective circuit (transil) |  |
| Housing colour   |  | black  | black   |  |
| Number of contacts   |  | 2 + PE   | 2 + PE  |  |
| Cable type   |  | PUR/PVC  | PUR/PVC   |  |
| Conductors specification   |  | 0,50 mm <sup>2</sup>   | 0,50 mm <sup>2</sup>  |  |
| Cable length   |  | 1 m  | 1 m   |  |
| Order no.  |  | <b>JB636T54DP11100</b>   | <b>JB635T54DP11100</b>  |  |
| Other standard options   | cable length 2m,   | order no. <b>JB636T54DP11200</b>   | order no. <b>JB635T54DP11200</b>  |  |
| Cable jacket colour  |  | black  | black   |  |
| Cable diameter +/-5%   |  | 5,5 mm   | 5,5 mm  |  |
| Temperature range  | static application<br>flexible application   | -40°C to + 80°C<br>-25°C to + 80°C   | -40°C to + 80°C<br>-25°C to + 80°C  |  |
| <b>Drawing</b>   |  |  |   |  |
|  |  |  |   |  |
|  |  | ▷ Code A   | ▷ Code A  |  |
| <b>Technical data</b>  |  |  |   |  |
| Pin dimension  | M12 ; valve connector  | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm  | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   |  |
| Voltage  |  | 24 V AC/DC   | 24 V AC/DC  |  |
| Rated current max.   |  | 4 A  | 4 A   |  |
| Suppressor   |  | TVS Vbr max.=37,8V Peak =400W  | TVS Vbr max.=37,8V Peak =400W   |  |
| LED colour   |  | yellow   | yellow  |  |
| Contact resistance   |  | 15mΩ max.  | 15mΩ max.   |  |
| Overvoltage category   |  | III  | III   |  |
| Mounting   | M12 ; valve connector  | lock nut M12 x 1; central screw M3 x 28,5mm                                | lock nut M12 x 1; central screw M3 x 28,5mm                                 |  |
| Fixing screw torque  | M12 ; valve connector  | 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m  | 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m   |  |
| <b>Material</b>  |  |  |   |  |
| Contact material   | M12 ; valve connector  | CuSn gold plated; CuSn silver plated                                       | CuSn gold plated; CuSn silver plated  |  |
| Contact holder material  | M12 ; valve connector  | PA6T/61 GF blue; PA6 GF  | PA6T/61 GF blue; PA6 GF   |  |
| Overmoulding material  |  | TPU  | TPU   |  |
| Coupling nut material  |  | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1   |  |
| <b>Environmental conditions</b>                                      |  |  |   |  |
| Protection class (EN 60529)  |  | IP67   | IP67  |  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3   |  |
| <b>Inflammability class</b>  |  |  |   |  |
| Contact holder   | M12 ; valve connector  | UL; V0   | UL; V0  |  |
| Moulded housing  |  | HB   | HB  |  |
| <b>Packaging</b>   |  |  |   |  |
| Minimum quantity   |  | 100 pieces   | 100 pieces  |  |
| Number of boxes suitable:  | 1 box  | <b>JB636T54DP11100</b>   | <b>JB635T54DP11100</b>  |  |
|  | 2 boxes  | <b>JB636T54DP11200</b>   | <b>JB635T54DP11200</b>  |  |
| Approximate weight per box   |  | 10...15 Kg   | 10...15 Kg  |  |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |  |
| <b>Notes</b>   |  |  |   |  |
| Technical specifications on cables and accessories see pages 171-175 |  |  |   |  |



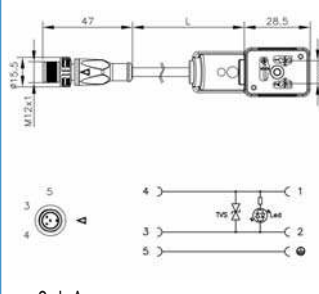
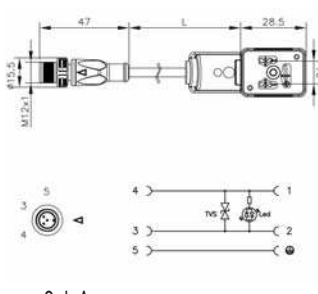


Form B INDUSTRIAL + M12

|  |   |  |  |
|--|---|--|--|
| IEC 61076-2-101 ; INDUSTRIAL 11mm B  | IEC 61076-2-101 ; INDUSTRIAL 11mm B   |  |  |
| (PE) earth in H6<br>function indicator (LED)<br>TVS protective circuit (transil) | (PE) earth in H12<br>function indicator (LED)<br>TVS protective circuit (transil) |  |  |
| black  | black   |  |  |
| 2 + PE   | 2 + PE  |  |  |
| PUR/PVC  | PUR/PVC   |  |  |
| 0,50 mm <sup>2</sup>   | 0,50 mm <sup>2</sup>  |  |  |
| 1 m  | 1 m   |  |  |
| <b>JB636T54KP11100</b>   | <b>JB635T54KP11100</b>  |  |  |
| order no. <b>JB636T54KP11200</b>   | order no. <b>JB635T54KP11200</b>  |  |  |
| black  | black   |  |  |
| 5,5 mm   | 5,5 mm  |  |  |
| -40°C to + 80°C  | -40°C to + 80°C   |  |  |
| -25°C to + 80°C  | -25°C to + 80°C   |  |  |
|  |   |  |  |
| 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm  | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   |  |  |
| 24 V AC/DC   | 24 V AC/DC  |  |  |
| 4 A  | 4 A   |  |  |
| TVS Vbr max.=37,8V Peak =400W  | TVS Vbr max.=37,8V Peak =400W   |  |  |
| yellow   | yellow  |  |  |
| 15mΩ max.  | 15mΩ max.   |  |  |
| III  | III   |  |  |
| lock nut M12 x 1; central screw M3 x 28,5mm                                      | lock nut M12 x 1; central screw M3 x 28,5mm                                       |  |  |
| 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m  | 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m   |  |  |
| CuSn gold plated; CuSn silver plated   | CuSn gold plated; CuSn silver plated  |  |  |
| PA6T/61 GF blue; PA6 GF  | PA6T/61 GF blue; PA6 GF   |  |  |
| TPU  | TPU   |  |  |
| Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1   |  |  |
| IP67   | IP67  |  |  |
| 3  | 3   |  |  |
| UL; V0   | UL; V0  |  |  |
| HB   | HB  |  |  |
| 100 pieces   | 100 pieces  |  |  |
| <b>JB636T54KP11100</b>   | <b>JB635T54KP11100</b>  |  |  |
| <b>JB636T54KP11200</b>   | <b>JB635T54KP11200</b>  |  |  |
| 10...15 Kg   | 10...15 Kg  |  |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |  |  |



Form B - EN 175301-803 (DIN43650) / ISO 6952

| <b>Product description</b>   |  |  |   |
|--|--|--|---|
| Standard   |  | IEC 61076-2-101 ; EN175301-803   | IEC 61076-2-101 ; EN175301-803  |
| Construction type  |  | B  | B   |
| Description  | M12 male and P10 valve connector with moulded cable integrated gasket and central fixing screw | (PE) earth in H6 function indicator (LED)<br>TVS protective circuit (transil)        | (PE) earth in H12 function indicator (LED)<br>TVS protective circuit (transil)        |
| Housing colour   |  | black  | black   |
| Number of contacts   |  | 2 + PE   | 2 + PE  |
| Cable type   |  | PUR/PVC  | PUR/PVC   |
| Conductors specification   |  | 0,50 mm <sup>2</sup>   | 0,50 mm <sup>2</sup>  |
| Cable length   |  | 1 m  | 1 m   |
| Order no.  |  | <b>JE636T54DP11100</b>   | <b>JE635T54DP11100</b>  |
| Other standard options   | cable length 2m,   | order no. <b>JE636T54DP11200</b>   | order no. <b>JE635T54DP11200</b>  |
| Cable jacket colour  |  | black  | black   |
| Cable diameter +/-5%   |  | 5,5 mm   | 5,5 mm  |
| Temperature range  | static application<br>flexible application   | -40°C to + 80°C<br>-25°C to + 80°C   | -40°C to + 80°C<br>-25°C to + 80°C  |
| <b>Drawing</b>   |  |  |  |
| <b>Technical data</b>  |  |  |   |
| Pin dimension  | M12 ; valve connector  | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm  | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   |
| Voltage  |  | 24 V AC/DC   | 24 V AC/DC  |
| Rated current max.   |  | 4 A  | 4 A   |
| Suppressor   |  | TVS Vbr max.=37,8V Peak =400W  | TVS Vbr max.=37,8V Peak =400W   |
| LED colour   |  | yellow   | yellow  |
| Contact resistance   |  | 15mΩ max.  | 15mΩ max.   |
| Overvoltage category   |  | III  |   |
| Mounting   | M12 ; valve connector  | lock nut M12 x 1; central screw M3 x 28,5mm  | lock nut M12 x 1; central screw M3 x 28,5mm   |
| Fixing screw torque  | M12 ; valve connector  | 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m  | 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |  |   |
| Contact material   | M12 ; valve connector  | CuSn gold plated; CuSn silver plated   | CuSn gold plated; CuSn silver plated  |
| Contact holder material  | M12 ; valve connector  | PA6T/61 GF blue; PA6 GF  | PA6T/61 GF blue; PA6 GF   |
| Overmoulding material  |  | TPU  | TPU   |
| Coupling nut material  |  | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1   |
| <b>Environmental conditions</b>                                      |  |  |   |
| Protection class (EN 60529)  |  | IP67   | IP67  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3   |
| <b>Inflammability class</b>  |  |  |   |
| Contact holder   | M12 ; valve connector  | UL; V0   | UL; V0  |
| Moulded housing  |  | HB   | HB  |
| <b>Packaging</b>   |  |  |   |
| Minimum quantity   |  | 100 pieces   | 100 pieces  |
| Number of boxes suitable:  | 1 box  | <b>JE636T54DP11100</b>   | <b>JE635T54DP11100</b>  |
|  | 2 boxes  | <b>JE636T54DP11200</b>   | <b>JE635T54DP11200</b>  |
| Approximate weight per box   |  | 10...15 Kg   | 10...15 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |
| <b>Notes</b>   |  |  |   |
| Technical specifications on cables and accessories see pages 171-175 |  |  |   |



|  |   |  |  |
|--|---|--|--|
| IEC 61076-2-101 ; EN175301-803   | IEC 61076-2-101 ; EN175301-803  |  |  |
| B  | B   |  |  |
| (PE) earth in H6<br>function indicator (LED)<br>TVS protective circuit (transil) | (PE) earth in H12<br>function indicator (LED)<br>TVS protective circuit (transil) |  |  |
| black  | black   |  |  |
| 2 + PE   | 2 + PE  |  |  |
| PUR/PVC  | PUR/PVC   |  |  |
| 0,50 mm <sup>2</sup>   | 0,50 mm <sup>2</sup>  |  |  |
| 1 m  | 1 m   |  |  |
| <b>JE636T54KP11100</b>   | <b>JE635T54KP11100</b>  |  |  |
| order no. <b>JE636T54KP11200</b>   | order no. <b>JE635T54KP11200</b>  |  |  |
| black  | black   |  |  |
| 5,5 mm   | 5,5 mm  |  |  |
| -40°C to + 80°C  | -40°C to + 80°C   |  |  |
| -25°C to + 80°C  | -25°C to + 80°C   |  |  |
| <p>Code A</p>  | <p>Code A</p>   |  |  |
| 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm  | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   |  |  |
| 24 V AC/DC   | 24 V AC/DC  |  |  |
| 4 A  | 4 A   |  |  |
| TVS Vbr max.=37,8V Peak =400W  | TVS Vbr max.=37,8V Peak =400W   |  |  |
| yellow   | yellow  |  |  |
| 15mΩ max.  | 15mΩ max.   |  |  |
| III  | III   |  |  |
| lock nut M12 x 1; central screw M3 x 28,5mm                                      | lock nut M12 x 1; central screw M3 x 28,5mm                                       |  |  |
| 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m  | 0,5 - 0,8 N/m ; 0,3 - 0,5 N/m   |  |  |
| CuSn gold plated; CuSn silver plated   | CuSn gold plated; CuSn silver plated  |  |  |
| PA6T/61 GF blue; PA6 GF  | PA6T/61 GF blue; PA6 GF   |  |  |
| TPU  | TPU   |  |  |
| Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1   |  |  |
| IP67   | IP67  |  |  |
| 3  | 3   |  |  |
| UL; V0   | UL; V0  |  |  |
| HB   | HB  |  |  |
| 100 pieces   | 100 pieces  |  |  |
| <b>JE636T54KP11100</b>   | <b>JE635T54KP11100</b>  |  |  |
| <b>JE636T54KP11200</b>   | <b>JE635T54KP11200</b>  |  |  |
| 10...15 Kg   | 10...15 Kg  |  |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |  |  |

Form B - EN 175301-803 (DIN43650) / ISO 6952

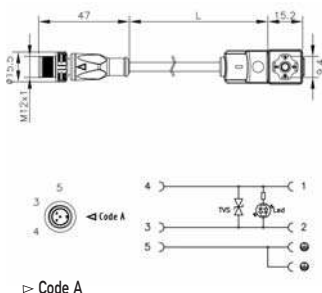
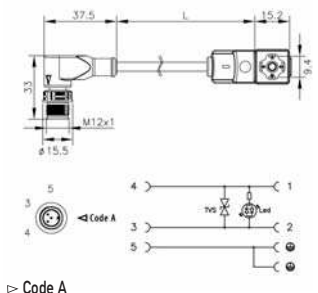


| <b>Product description</b>   |   |   |
|--|---|---|
| Standard   |   | IEC 61076-2-101; EN175301-803   |
| Construction type  |   | C   |
| Description  | M12 male and P8 valve connector with moulded cable integrated gasket and central fixing screw | (PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil) |
| Housing colour   |   | M12=black ; P8=transparent  |
| Number of contacts   |   | 2 + PE / PE bridged   |
| Cable type   |   | PUR/PVC   |
| Conductors specification   |   | 0,50 mm <sup>2</sup>  |
| Cable length   |   | 1 m   |
| Order no.  |   | <b>JC634T54DP11100</b>  |
| Other standard options   | cable length 2m,  | order no. <b>JC634T54DP11200</b>  |
| Cable jacket colour  |   | black   |
| Cable diameter +/-5%   |   | 5,5 mm  |
| Temperature range  | static application  | -40°C to + 80°C   |
|  | flexible application  | -25°C to + 80°C   |
| <b>Drawing</b>   |   |   |
|  |   | <p>▷ Code A</p>   |
| <b>Technical data</b>  |   |   |
| Pin dimension  | M12 ; valve connector   | 1 mm; 3,6 x 0,8mm / 2,8 x 0,8mm   |
| Voltage  |   | 24 V AC/DC  |
| Rated current max.   |   | 4 A   |
| Suppressor   |   | TVS Vbr max.=37,8V Peak =400W   |
| LED colour   |   | yellow  |
| Contact resistance   |   | 15mΩ max.   |
| Overvoltage category   |   | III   |
| Mounting   | M12 ; valve connector   | lock nut M12 x 1; central screw M2,5 x 23mm   |
| Fixing screw torque  | M12 ; valve connector   | 0,5 - 0,8 N/m; 0,3 - 0,4 N/m  |
| <b>Material</b>  |   |   |
| Contact material   | M12 ; valve connector   | CuSn gold plated; CuSn silver plated  |
| Contact holder material  | M12 ; valve connector   | PA6T/61 GF blue; PA6 GF   |
| Overmoulding material  |   | TPU   |
| Coupling nut material  |   | Zamak 15 / ZnAl4Cu1   |
| <b>Environmental conditions</b>                                      |   |   |
| Protection class (EN 60529)  |   | IP67  |
| Pollution severity (EN 60664-1)                                      |   | 3   |
| <b>Inflammability class</b>  |   |   |
| Contact holder   | M12 ; valve connector   | UL; V0  |
| Moulded housing  |   | HB  |
| <b>Packaging</b>   |   |   |
| Minimum quantity   |   | 100 pieces  |
| Number of boxes suitable :   | 1 box   | <b>JC634T54DP11100</b>  |
|  | 2 boxes   | <b>JC634T54DP11200</b>  |
| Approximate weight per box   |   | 10...15 Kg  |
| Box dimension  |   | 39 x 39 x 19,5 cm   |
| <b>Notes</b>   |   |   |
| Technical specifications on cables and accessories see pages 171-175 |   |   |

## Jumper Connectors JD series

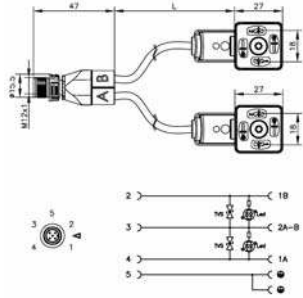
MOULDED IN CABLE



| Product description  |   |   |
|--|---|---|
| Standard   |   | IEC 61076-2-101; INDUSTRIAL (9,4mm)   |
| Construction type  |   | C   |
| Description  | M12 male and P9,4 valve connector with moulded cable integrated gasket and central fixing screw | (PE) earth in H6 and H12 position (bridged)<br>function indicator (LED)<br>TVS protective circuit (transil) |
| Housing colour   |   | M12=black ; P9,4=transparent  |
| Number of contacts   |   | 2 + PE / PE bridged   |
| Cable type   |   | PUR/PVC   |
| Conductors specification   |   | 0,50 mm <sup>2</sup>  |
| Cable length   |   | 1 m   |
| Order no.  |   | <b>JD634T54DP11100</b>  |
| Other standard options   | cable length 2m,  | order no. <b>JD634T54DP11200</b>  |
| Cable jacket colour  |   | black   |
| Cable diameter +/-5%   |   | 5,5 mm  |
| Temperature range  | static application  | -40°C to + 80°C   |
|  | flexible application  | -25°C to + 80°C   |
| Drawing  |   |   |
|  |   |  <p>▷ Code A</p>        |
|  |   |  <p>▷ Code A</p>       |
| Technical data   |   |   |
| Pin dimension  | M12 ; valve connector   | 1 mm; 3,6 x 0,5mm / 2,8 x 0,5mm   |
| Rated voltage  |   | 24 V AC/DC  |
| Rated current max.   |   | 4 A   |
| Suppressor   |   | TVS Vbr max.=37,8V Peak =400W   |
| LED colour   |   | yellow  |
| Contact resistance   |   | 15mΩ max.   |
| Overvoltage category   |   | III   |
| Mounting   | M12 ; valve connector   | lock nut M12 x 1; central screw M3 x 23mm   |
| Fixing screw torque  | M12 ; valve connector   | 0,5 - 0,8 N/m; 0,3 - 0,5 N/m  |
| Material   |   |   |
| Contact material   | M12 ; valve connector   | CuSn gold plated; CuSn silver plated  |
| Contact holder material  | M12 ; valve connector   | PA6T/61 GF blue; PA6 GF   |
| Overmoulding material  |   | TPU   |
| Coupling nut material  |   | Zamak 15 / ZnAl4Cu1   |
| Environmental conditions   |   |   |
| Protection class (EN 60529)  |   | IP67  |
| Pollution severity (EN 60664-1)                                      |   | 3   |
| Inflammability class   |   |   |
| Contact holder   | M12 ; valve connector   | UL; V0  |
| Moulded housing  |   | HB  |
| Packaging  |   |   |
| Minimum quantity   |   | 100 pieces  |
| Number of boxes suitable:  | 1 box   | <b>JD634T54DP11100</b>  |
|  | 2 boxes   | <b>JD634T54DP11200</b>  |
| Approximate weight per box   |   | 10...15 Kg  |
| Box dimension  |   | 39 x 39 x 19,5 cm   |
| Notes  |   |   |
| Technical specifications on cables and accessories see pages 171-175 |   |   |

Form C - INDUSTRIAL + M12



| Product description  |   |   |
|--|---|---|
| Standard   |   | IEC 61076-2-101 ; EN175301-803  |
| Construction type  |   | A   |
| Description  | M12 Y male distributor and P18 valve connector with moulded cable, integrated gasket and central fixing screw | (PE) earth in H6 and H12 position (bridged)<br>function indicator (LED)<br>TVS protective circuit (transil) |
| Housing colour   |   | black   |
| Number of contacts   |   | 2 + PE / PE bridged   |
| Cable type   |   | PUR/PVC   |
| Conductors specification   |   | 0,50 mm <sup>2</sup>  |
| Cable length   |   | 1 m   |
| Order no.  |   | <b>YA634T54DP11100</b>  |
| Other standard options   | cable length 2m,  | order no. <b>YA634T54DP11200</b>  |
| Cable jacket colour  |   | black   |
| Cable diameter +/-5%   |   | 5,5 mm  |
| Temperature range  | static application  | -40°C to + 80°C   |
|  | flexible application  | -25°C to + 80°C   |
| Drawing  |   |   |
|  |   |  <p>▷ Code A</p>        |
| Technical data   |   |   |
| Pin dimension  | M12 ; valve connector   | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   |
| Voltage  |   | 24 V AC/DC  |
| Rated current max.   |   | 4 A   |
| Suppressor   |   | TVS Vbr max.=37,8V Peak =400W   |
| LED colour   |   | yellow  |
| Contact resistance   |   | 15mΩ max.   |
| Overvoltage category   |   | III   |
| Mounting   | M12 ; valve connector   | lock nut M12 x 1; central screw M3 x 28,5mm   |
| Fixing screw torque  | M12 ; valve connector   | 0,5 - 0,8 N/m; 0,3 - 0,5 N/m  |
| Material   |   |   |
| Contact material   | M12 ; valve connector   | CuSn gold plated; CuSn silver plated  |
| Contact holder material  | M12 ; valve connector   | PA6T/61 GF blue; PA6 GF   |
| Overmoulding material  |   | TPU   |
| Coupling nut material  |   | Zamak 15 / ZnAl4Cu1   |
| Environmental conditions   |   |   |
| Protection class (EN 60529)  |   | IP67  |
| Pollution severity (EN 60664-1)                                      |   | 3   |
| Inflammability class   |   |   |
| Contact holder   | M12 ; valve connector   | UL; V0  |
| Moulded housing  |   | HB  |
| Packaging  |   |   |
| Minimum quantity   |   | 100 pieces  |
| Number of boxes suitable :   | 1 box   | <b>YA634T54DP11100</b>  |
|  | 2 boxes   | <b>YA634T54DP11200</b>  |
| Approximate weight per box   |   | 10...15 Kg  |
| Box dimension  |   | 39 x 39 x 19,5 cm   |
| Notes  |   |   |
| Technical specifications on cables and accessories see pages 171-175 |   |   |

## Jumper connectors YB series

MOULDED IN CABLE + M12 Y DISTRIBUTOR



| Product description  |   |  |
|--|---|--|
| Standard   |   | IEC 61076-2-101 ; INDUSTRIAL 11mm  |
| Construction type  |   | B  |
| Description  | M12 Y male distributor and P11 valve connector with moulded cable, integrated gasket and central fixing screw | (PE) earth in H6<br>function indicator (LED)<br>TVS protective circuit (transil) |
| Housing colour   |   | black  |
| Number of contacts   |   | 2 + PE   |
| Cable type   |   | PUR/PVC  |
| Conductors specification   |   | 0,50 mm <sup>2</sup>   |
| Cable length   |   | 1 m  |
| Order no.  |   | <b>YB636T54DP11100</b>   |
| Other standard options   | cable length 2m,  | order no. <b>YB636T54DP11200</b>   |
| Cable jacket colour  |   | black  |
| Cable diameter +/-5%   |   | 5,5 mm   |
| Temperature range  | static application  | -40°C to + 80°C  |
|  | flexible application  | -25°C to + 80°C  |
| Drawing  |   |  |
|  |   | <p>Code A</p>  |
| Technical data   |   |  |
| Pin dimension  | M12 ; valve connector   | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm  |
| Voltage  |   | 24 V AC/DC   |
| Rated current max.   |   | 4 A  |
| Suppressor   |   | TVS Vbr max.=37,8V Peak =400W  |
| LED colour   |   | yellow   |
| Contact resistance   |   | 15mΩ max.  |
| Overvoltage category   |   | III  |
| Mounting   | M12 ; valve connector   | lock nut M12 x 1; central screw M3 x 28,5mm                                      |
| Fixing screw torque  | M12 ; valve connector   | 0,5 - 0,8 N/m; 0,3 - 0,5 N/m   |
| Material   |   |  |
| Contact material   | M12 ; valve connector   | CuSn gold plated; CuSn silver plated   |
| Contact holder material  | M12 ; valve connector   | PA6T/61 GF blue; PA6 GF  |
| Overmoulding material  |   | TPU  |
| Coupling nut material  |   | Zamak 15 / ZnAl4Cu1  |
| Environmental conditions   |   |  |
| Protection class (EN 60529)  |   | IP67   |
| Pollution severity (EN 60664-1)                                      |   | 3  |
| Inflammability class   | M12 ; valve connector   | UL; V0   |
| Contact holder   |   | HB   |
| Moulded housing  |   |  |
| Packaging  |   |  |
| Minimum quantity   |   | 100 pieces 1 box   |
| Number of boxes suitable :   | 1 box   | <b>YB636T54DP11100</b>   |
|  | 2 boxes   | <b>YB636T54DP11200</b>   |
| Approximate weight per box   |   | 10...15 Kg   |
| Box dimension  |   | 39 x 39 x 19,5 cm  |
| Notes  |   |  |
| Technical specifications on cables and accessories see pages 171-175 |   |  |

Form B - INDUSTRIAL + M12Y Distributor

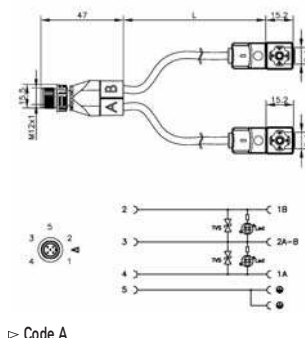




| Product description  |   |   |
|--|---|---|
| Standard   |   | IEC 61076-2-101 ; EN175301-803  |
| Construction type  |   | B   |
| Description  | M12 Y male distributor and P10 valve connector with moulded cable, integrated gasket and central fixing screw | (PE) earth in H6 function indicator (LED)<br>TVS protective circuit (transil) |
| Housing colour   |   | black   |
| Number of contacts   |   | 2 + PE  |
| Cable type   |   | PUR/PVC   |
| Conductors specification   |   | 0,50 mm <sup>2</sup>  |
| Cable length   |   | 1 m   |
| Order no.  |   | <b>YE636T54DP11100</b>  |
| Other standard options   | cable length 2m,  | order no. <b>YE636T54DP11200</b>  |
| Cable jacket colour  |   | black   |
| Cable diameter +/-5%   |   | 5,5 mm  |
| Temperature range  | static application  | -40°C to + 80°C   |
|  | flexible application  | -25°C to + 80°C   |
| Drawing  |   |   |
|  |   | <p>▷ Code A</p>   |
| Technical data   |   |   |
| Pin dimension  | M12 ; valve connector   | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   |
| Voltage  |   | 24 V AC/DC  |
| Rated current max.   |   | 4 A   |
| Suppressor   |   | TVS Vbr max.=37,8V Peak =400W   |
| LED colour   |   | yellow  |
| Contact resistance   |   | 15mΩ max.   |
| Overvoltage category   |   | III   |
| Mounting   | M12 ; valve connector   | lock nut M12 x 1; central screw M3 x 28,5mm                                   |
| Fixing screw torque  | M12 ; valve connector   | 0,5 - 0,8 N/m; 0,3 - 0,5 N/m  |
| Material   |   |   |
| Contact material   | M12 ; valve connector   | CuSn gold plated; CuSn silver plated  |
| Contact holder material  | M12 ; valve connector   | PA6T / 61 GF blue; PA6 GF   |
| Overmoulding material  |   | TPU   |
| Coupling nut material  |   | Zamak 15 / ZnAl4Cu1   |
| Environmental conditions   |   |   |
| Protection class (EN 60529)  |   | IP67  |
| Pollution severity (EN 60664-1)                                      |   | 3   |
| Inflammability class   |   |   |
| Contact holder   | M12 ; valve connector   | UL; V0  |
| Moulded housing  |   | HB  |
| Packaging  |   |   |
| Minimum quantity   |   | 100 pieces  |
| Number of boxes suitable:  | 1 box   | <b>YE636T54DP11100</b>  |
|  | 2 boxes   | <b>YE636T54DP11200</b>  |
| Approximate weight per box   |   | 10...15 Kg  |
| Box dimension  |   | 39 x 39 x 19,5 cm   |
| Notes  |   |   |
| Technical specifications on cables and accessories see pages 171-175 |   |   |





|  |                       |   |  |
|--|-----------------------|---|--|
| <b>Product description</b>   |                       |   |  |
| Standard   |                       | IEC 61076-2-101; INDUSTRIAL (9,4mm)   |  |
| Construction type  |                       | C   |  |
| Description  |                       | M12 Y straight male distributor and P9,4 valve connector with moulded cable, integrated gasket and central fixing screw (PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil) |  |
| Housing colour   |                       | M12= black ; P9,4 = transparent   |  |
| Number of contacts   |                       | 2 + PE / PE bridged   |  |
| Cable type   |                       | PUR/PVC   |  |
| Conductors specification   |                       | 0,50 mm <sup>2</sup>  |  |
| Cable length   |                       | 1 m   |  |
| Order no.  |                       | <b>YD634T54DP11100</b>  |  |
| Other standard options   | cable length 2m,      | order no. <b>YD634T54DP11200</b>  |  |
| Cable jacket colour  |                       | black   |  |
| Cable diameter +/-5%   |                       | 5,5 mm  |  |
| Temperature range  | static application    | -40°C to + 80°C   |  |
|  | flexible application  | -25°C to + 80°C   |  |
| <b>Drawing</b>   |                       |  <p>&gt; Code A</p>   |  |
| <b>Technical data</b>  |                       |   |  |
| Pin dimension  | M12 ; valve connector | 1 mm; 3,6 x 0,5mm / 2,8 x 0,5mm   |  |
| Voltage  |                       | 24 V AC/DC  |  |
| Rated current max.   |                       | 4 A   |  |
| Suppressor   |                       | TVS Vbr max.=37,8V Peak =400W   |  |
| LED colour   |                       | yellow  |  |
| Contact resistance   |                       | 15mΩ max.   |  |
| Overvoltage category   |                       | III   |  |
| Mounting   | M12 ; valve connector | lock nut M12 x 1; central screw M3 x 23mm   |  |
| Fixing screw torque  | M12 ; valve connector | 0,5 - 0,8 N/m; 0,3 - 0,5 N/m  |  |
| <b>Material</b>  |                       |   |  |
| Contact material   | M12 ; valve connector | CuSn gold plated; CuSn silver plated  |  |
| Contact holder material  | M12 ; valve connector | PA6T / 61 GF blue; PA6 GF   |  |
| Overmoulding material  |                       | TPU   |  |
| Coupling nut material  |                       | Zamak 15 / ZnAl4Cu1   |  |
| <b>Environmental conditions</b>                                      |                       |   |  |
| Protection class (EN 60529)  |                       | IP67  |  |
| Pollution severity (EN 60664-1)                                      |                       | 3   |  |
| <b>Inflammability class</b>  |                       |   |  |
| Contact holder   | M12 ; valve connector | UL; V0  |  |
| Moulded housing  |                       | HB  |  |
| <b>Packaging</b>   |                       |   |  |
| Minimum quantity   |                       | 100 pieces  |  |
| Number of boxes suitable:  | 1 box                 | <b>YD634T54DP11100</b>  |  |
|  | 2 boxes               | <b>YD634T54DP11200</b>  |  |
| Approximate weight per box   |                       | 10...15 Kg  |  |
| Box dimension  |                       | 39 x 39 x 19,5 cm   |  |
| <b>Notes</b>   |                       |   |  |
| Technical specifications on cables and accessories see pages 171-175 |                       |   |  |

## Adaptors JDA series

MOULDED IN CABLE



|   |   |  |  |
|---|---|--|--|
| IEC 61076-2-101 ; EN175301-803  | IEC 61076-2-101 ; EN175301-803  | IEC 61076-2-101 ; EN175301-803   |  |
| A   | A   | A  |  |
| Adaptor M12 straight male to P18 valve connector integrated gasket and central fixing screw (PE) earth in H6 and H12 position (bridged) function indicator (LED) and TVS protective circuit (transil) transparent | Adaptor M12 straight male to P18 valve connector integrated gasket and central fixing screw (PE) earth in H12 position function indicator bi-color LED for pressure switch device transparent | Adaptor M12 straight male to P18 valve connector integrated gasket and central fixing screw (PE) earth in H6 position function indicator bi-color LED for pressure switch device transparent |  |
| 2 + PE / PE bridged   | 3 + PE  | 3 + PE   |  |
|   |   |  |  |
| <b>JDA34T54M12</b>  | <b>JDA55P3YM12</b>  | <b>JDA56P3YM12</b>   |  |
|   |   |  |  |
| -40°C to + 80°C   | -40°C to + 80°C   | -40°C to + 80°C  |  |
| <p>▷ Code A</p>   | <p>▷ Code A</p>   | <p>▷ Code A</p>  |  |
| 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm  |  |
| 24 V AC/DC  | 24 V AC/DC  | 24 V AC/DC   |  |
| 4 A   | 4 A   | 4 A  |  |
| TVS Vbr max.=37,8V Peak =400W   |   |  |  |
| yellow  | yellow (pin 2) green (pin 3)  | yellow (pin 2) green (pin 3)   |  |
| 15mΩ max.   | 15mΩ max.   | 15mΩ max.  |  |
| III   | III   | III  |  |
| lock nut M12 x 1; central screw M3 x 25mm   | lock nut M12 x 1; central screw M3 x 25mm   | lock nut M12 x 1; central screw M3 x 25mm  |  |
| 0,5 - 0,8 N/m; 0,3 - 0,5 N/m  | 0,5 - 0,8 N/m; 0,3 - 0,5 N/m  | 0,5 - 0,8 N/m; 0,3 - 0,5 N/m   |  |
| CuSn gold plated; CuSn silver plated  | CuSn gold plated; CuSn silver plated  | CuSn gold plated; CuSn silver plated   |  |
| PA6T / 61 GF blue; PA6 GF   | PA6T / 61 GF blue; PA6 GF   | PA6T / 61 GF blue; PA6 GF  |  |
| TPU   | TPU   | TPU  |  |
| Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1  |  |
| IP67  | IP67  | IP67   |  |
| 3   | 3   | 3  |  |
| UL; V0  | UL; V0  | UL; V0   |  |
| HB  | HB  | HB   |  |
| 100 pieces  | 100 pieces  | 100 pieces   |  |
| <b>JDA34T54M12</b>  | <b>JDA55P3YM12</b>  | <b>JDA56P3YM12</b>   |  |
| 3...4 Kg  | 3...4 Kg  | 3...4 Kg   |  |
| 29 x 15 x 18 cm   | 29 x 15 x 18 cm   | 29 x 15 x 18 cm  |  |

Form A - EN 175301-803 (DIN43650) / ISO 4400 + M12

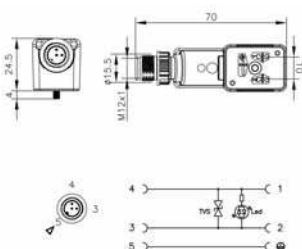
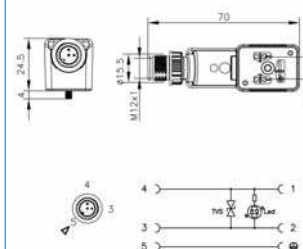


| <b>Product description</b>   |  |   |  |
|--|--|---|--|
| Standard   |  | IEC 61076-2-101 ; INDUSTRIAL 11mm   | IEC 61076-2-101 ; INDUSTRIAL 11mm  |
| Construction type  |  | B   | B  |
| Description  |  | Adaptor M12 male to P11 valve connector integrated gasket and central fixing screw (PE) earth in H6 function indicator (LED) TVS protective circuit (transil) | Adaptor M12 male to P11 valve connector integrated gasket and central fixing screw (PE) earth in H12 function indicator (LED) TVS protective circuit (transil) |
| Housing colour   |  | transparent   | transparent  |
| Number of contacts   |  | 2 + PE  | 2 + PE   |
| Cable type   |  |   |  |
| Conductors specification   |  |   |  |
| Cable length   |  |   |  |
| Order no.  |  | <b>JDB36T54M12</b>  | <b>JDB35T54M12</b>   |
| Other standard options   |  |   |  |
| Cable jacket colour  |  |   |  |
| Cable diameter +/-5%   |  |   |  |
| Temperature range  | static application<br>flexible application |   |  |
| <b>Drawing</b>   |  | <p>&gt; Code A</p>  | <p>&gt; Code A</p>   |
| <b>Technical data</b>  |  |   |  |
| Pin dimension  | M12 ; valve connector                      | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm   | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm  |
| Voltage  |  | 24 V AC/DC  | 24 V AC/DC   |
| Rated current max.   |  | 4 A   | 4 A  |
| Suppressor   |  | TVS Vbr max.=37,8V Peak =400W   | TVS Vbr max.=37,8V Peak =400W  |
| LED colour   |  | yellow  | yellow   |
| Contact resistance   |  | 15mΩ max.   | 15mΩ max.  |
| Overvoltage category   |  | III   | III  |
| Mounting   | M12 ; valve connector                      | lock nut M12 x 1; central screw M3 x 25mm   | lock nut M12 x 1; central screw M3 x 25mm  |
| Fixing screw torque  | M12 ; valve connector                      | 0,5 - 0,8 N/m; 0,3 - 0,5 N/m  | 0,5 - 0,8 N/m; 0,3 - 0,5 N/m   |
| <b>Material</b>  |  |   |  |
| Contact material   | M12 ; valve connector                      | CuSn gold plated; CuSn silver plated  | CuSn gold plated; CuSn silver plated   |
| Contact holder material  | M12 ; valve connector                      | PA6T/61 GF blue; PA6 GF   | PA6T/61 GF blue; PA6 GF  |
| Overmoulding material  |  | TPU   | TPU  |
| Coupling nut material  |  | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1  |
| <b>Environmental conditions</b>                                      |  |   |  |
| Protection class (EN 60529)  |  | IP67  | IP67   |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3  |
| <b>Inflammability class</b>  |  |   |  |
| Contact holder   | M12 ; valve connector                      | UL; V0  | UL; V0   |
| Moulded housing  |  | HB  | HB   |
| <b>Packaging</b>   |  |   |  |
| Minimum quantity   |  | 100 pieces  | 100 pieces   |
| Number of boxes suitable :   | 1 box                                      | <b>JDB36T54M12</b>  | <b>JDB35T54M12</b>   |
| Approximate weight per box   |  | 3...4 Kg  | 3...4 Kg   |
| Box dimension  |  | 29 x 15 x 18 cm   | 29 x 15 x 18 cm  |
| <b>Notes</b>   |  |   |  |
| Technical specifications on cables and accessories see pages 171-175 |  |   |  |

## Adaptors JDE series

MOULDED IN CABLE



|   |  |  |  |
|---|--|--|--|
| IEC 61076-2-101; EN175301-803<br>B  | IEC 61076-2-101; EN175301-803<br>B   |  |  |
| Adaptor M12 straight male to P10 connector integrated gasket and central fixing screw<br>fixing screw (PE) earth in H6<br>function indicator (LED)<br>TVS protective circuit (transil)<br>transparent<br>2 + PE | Adaptor M12 straight male to P10 connector integrated gasket and central fixing screw<br>fixing screw (PE) earth in H12<br>function indicator (LED)<br>TVS protective circuit (transil)<br>transparent<br>2 + PE |  |  |
| <b>JDE36T54M12</b>  | <b>JDE35T54M12</b>   |  |  |
|    |   |  |  |
| ▷ Code A  | ▷ Code A   |  |  |
| 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm<br>24 V AC/DC<br>4 A<br>TVS Vbr max.=37,8V Peak =400W<br>yellow<br>15mΩ max.<br>III<br>lock nut M12 x 1; central screw M3 x 25mm<br>0,5 - 0,8 N/m; 0,3 - 0,5 N/m                | 1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm<br>24 V AC/DC<br>4 A<br>TVS Vbr max.=37,8V Peak =400W<br>yellow<br>15mΩ max.<br>III<br>lock nut M12 x 1; central screw M3 x 25mm<br>0,5 - 0,8 N/m; 0,3 - 0,5 N/m                 |  |  |
| CuSn gold plated; CuSn silver plated<br>PA6T/61 GF blue; PA6 GF<br>TPU<br>Zamak 15 / ZnAl4Cu1   | CuSn gold plated; CuSn silver plated<br>PA6T/61 GF blue; PA6 GF<br>TPU<br>Zamak 15 / ZnAl4Cu1  |  |  |
| IP67<br>3   | IP67<br>3  |  |  |
| UL; V0<br>HB  | UL; V0<br>HB   |  |  |
| 100 pieces<br><b>JDE36T54M12</b><br>3...4 Kg<br>29 x 15 x 18 cm   | 100 pieces<br><b>JDE35T54M12</b><br>3...4 Kg<br>29 x 15 x 18 cm  |  |  |

Form B - EN 175301-803 (DIN43650) / ISO 6952 + M12





## Circular connectors

### M12 CONNECTORS

| DESCRIPTION  | PAG   |
|--|---|
| <b>SERIES: AD12S</b>            | M12 straight male 3-4-5 poles<br>with moulded cable free end..... 124             |
| <b>SERIES: AK12S</b>            | M12 angled male 3-4-5 poles<br>with moulded cable free end..... 126               |
| <b>SERIES: AD12B</b>            | M12 straight female 3-4-5 poles<br>with moulded cable free end..... 128           |
| <b>SERIES: AK12B</b>            | M12 angled female 3-4-5 poles<br>with moulded cable free end..... 130             |
| <b>SERIES: AG12 - AW12</b>   | M12 straight-angled, male-female 8 poles<br>with moulded cable free end ..... 132 |
| <b>SERIES: ED2BD2</b>         | M12 straight male to M12 straight female 3-4-5 poles..... 134                     |
| <b>SERIES: EK2BD2</b>         | M12 straight male to M12 angled female 3-4-5 poles ..... 136                      |
| <b>SERIES: ED2BK2</b>         | M12 angled male to M12 straight female 3-4-5 poles ..... 138                      |
| <b>SERIES: EK2BK2</b>         | M12 angled male to M12 angled female 3-4-5 poles ..... 140                        |
| <b>SERIES: EG - EW</b>   | M12 extensions 8 poles..... 142   |
| <b>SERIES: YD2 - YK2</b>      | M12 distributor straight male to M12 female.....144                               |
| <b>SERIES: FGA</b>            | M12 straight self assembly .....146   |
| <b>SERIES: FWA</b>            | M12 angled self assembly.....148  |
| <b>SERIES: RB12S - RG12S</b>  | M12 male receptacle .....150  |
| <b>SERIES: RA12B - RD12B</b>  | M12 female receptacle .....152  |



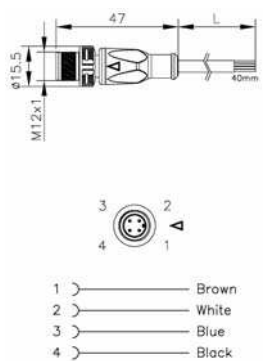
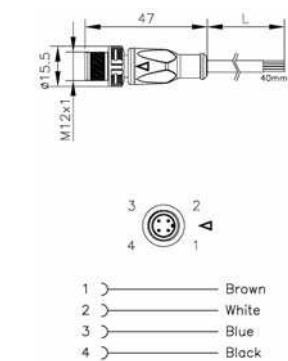
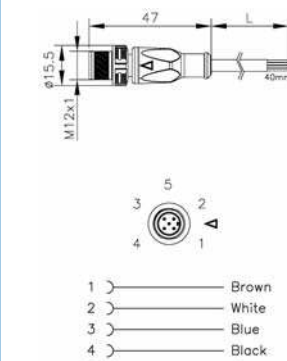
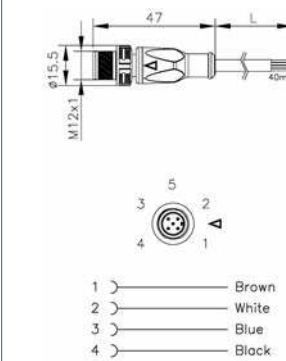
| <b>Product description</b>   |  |  |  |
|--|--|--|--|
| Standard   |  | IEC 61076-2-101  | IEC 61076-2-101  |
| Construction type  |  | D Style LM   | D Style LM   |
| Description  |  | Non-rewireable connector, straight version with M12 locking nut, male contacts | Non-rewireable connector, straight version with M12 locking nut, male contacts |
| Housing colour   |  | black  | black  |
| Type of contact  |  | male   | male   |
| Number of contacts   |  | 3  | 3  |
| Cable type   |  | PVC CEI 2022 II O.R.   | PUR LiY11Y   |
| Conductor specification  |  | 0,34 mm <sup>2</sup>   | 0,34 mm <sup>2</sup>   |
| Cable length   |  | 2 m  | 2 m  |
| Order no.  |  | <b>AD12S3C34200</b>  | <b>AD12S3P34200</b>  |
| Other standard options   | cable length 5m,<br>cable length 10m,      | order no. <b>AD12S3C34500</b><br>order no. <b>AD12S3C3410X</b>                 | order no. <b>AD12S3P34500</b><br>order no. <b>AD12S3P3410X</b>                 |
| Cable jacket colour  |  | grey RAL7035   | black matt   |
| Conductor colours  |  | brown - blue - black   | brown - blue - black   |
| Cable diameter +/-5%   |  | 5,0 mm   | 5,0 mm   |
| Temperature range  | static application<br>flexible application | -15°C to + 70°C  | -40°C to + 80°C<br>-25°C to + 80°C   |
| <b>Drawing</b>   |  | <p>▷ Code A</p>  | <p>▷ Code A</p>  |
| <b>Technical data</b>  |  |  |  |
| Pin dimension  |  | 1 mm   | 1 mm   |
| Rated voltage max.   |  | 250 V AC/DC  | 250 V AC/DC  |
| Rated current max.   |  | 4 A  | 4 A  |
| Contact resistance   |  | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Mounting   |  | Lock nut M12 x 1   | Lock nut M12 x 1   |
| Fixing screw torque  |  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |
| <b>Material</b>  |  |  |  |
| Contact material   |  | CuSn gold plated   | CuSn gold plated   |
| Contact holder material  |  | PA6T / 61 GF blue  | PA6T / 61 GF blue  |
| Housing material   |  | TPU  | TPU  |
| Coupling nut material  |  | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  |
| <b>Environmental conditions</b>                                      |  |  |  |
| Protection class (EN 60529)  |  | IP 67  | IP 67  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3  |
| <b>Inflammability class</b>  |  |  |  |
| Contact holder material  |  | UL   | UL   |
| Housing material   |  | HB   | HB   |
| <b>Packaging</b>   |  |  |  |
| Minimum quantity   |  | 100 pieces   | 100 pieces   |
| Number of boxes suitable :   | 2 boxes                                    | <b>AD12S3C34200</b>  | <b>AD12S3P34200</b>  |
|  | 2 boxes                                    | <b>AD12S3C34500</b>  | <b>AD12S3P34500</b>  |
|  | 4 boxes                                    | <b>AD12S3C3410X</b>  | <b>AD12S3P3410X</b>  |
| Approximate weight per box   |  | 10...12 Kg   | 10...12 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| <b>Notes</b>   |  |  |  |
| Technical specifications on cables and accessories see pages 171-175 |  |  |  |

## Circular Connectors **AD12** series

MOULDED IN CABLE + M12



# M12 straight Male

|   |   |  |   |
|---|---|--|---|
| IEC 61076-2-101   | IEC 61076-2-101   | IEC 61076-2-101  | IEC 61076-2-101   |
| D Style LM  | D Style LM  | D Style LM   | D Style LM  |
| Non-rewireable connector, straight version with M12 locking nut, male contacts                    | Non-rewireable connector, straight version with M12 locking nut, male contacts                    | Non-rewireable connector, straight version with M12 locking nut, male contacts                     | Non-rewireable connector, straight version with M12 locking nut, male contacts                      |
| black   | black   | black  | black   |
| male  | male  | male   | male  |
| 4   | 4   | 5  | 5   |
| PVC CEI 2022 II O.R.  | PUR LiY11Y  | PVC CEI 2022 II O.R.   | PUR LiY11Y  |
| 0,34 mm <sup>2</sup>  | 0,34 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>  |
| 2 m   | 2 m   | 2 m  | 2 m   |
| <b>AD12S4C34200</b>   | <b>AD12S4P34200</b>   | <b>AD12S5C25200</b>  | <b>AD12S5P25200</b>   |
| order no. <b>AD12S4C34500</b>   | order no. <b>AD12S4P34500</b>   | order no. <b>AD12S5C25500</b>  | order no. <b>AD12S5P25500</b>   |
| order no. <b>AD12S4C3410X</b>   | order no. <b>AD12S4P3410X</b>   | order no. <b>AD12S5C2510X</b>  | order no. <b>AD12S5P2510X</b>   |
| grey RAL7035  | black matt  | grey RAL7035   | black matt  |
| brown - white - blue - black  | brown - white - blue - black  | brown - black - grey - blue - white  | brown - black - grey - blue - white   |
| 5,0 mm  | 5,0 mm  | 5,0 mm   | 5,0 mm  |
| -15°C to + 70°C   | -40°C to + 80°C   | -15°C to + 70°C  | -40°C to + 80°C   |
|   | -25°C to + 80°C   |  | -25°C to + 80°C   |
|  <p>Code A</p> |  <p>Code A</p> |  <p>Code A</p> |  <p>Code A</p> |
| 1 mm  | 1 mm  | 1 mm   | 1 mm  |
| 250 V AC/DC   | 250 V AC/DC   | 60 V AC/DC   | 60 V AC/DC  |
| 4 A   | 4 A   | 4 A  | 4 A   |
| ≤ 10 mΩ   | ≤ 10 mΩ   | ≤ 10 mΩ  | ≤ 10 mΩ   |
| Lock nut M12 x 1  | Lock nut M12 x 1  | Lock nut M12 x 1   | Lock nut M12 x 1  |
| min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m   |
| CuSn gold plated  | CuSn gold plated  | CuSn gold plated   | CuSn gold plated  |
| PA6T / 61 GF blue   | PA6T / 61 GF blue   | PA6T / 61 GF blue  | PA6T / 61 GF blue   |
| TPU   | TPU   | TPU  | TPU   |
| Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1   |
| IP 67   | IP 67   | IP 67  | IP 67   |
| 3   | 3   | 3  | 3   |
| UL  | UL  | UL   | UL  |
| HB  | HB  | HB   | HB  |
| 100 pieces  | 100 pieces  | 100 pieces   | 100 pieces  |
| <b>AD12S4C34200</b>   | <b>AD12S4P34200</b>   | <b>AD12S5C25200</b>  | <b>AD12S5P25200</b>   |
| <b>AD12S4C34500</b>   | <b>AD12S4P34500</b>   | <b>AD12S5C25500</b>  | <b>AD12S5P25500</b>   |
| <b>AD12S4C3410X</b>   | <b>AD12S4P3410X</b>   | <b>AD12S5C2510X</b>  | <b>AD12S5P2510X</b>   |
| 10...12 Kg  | 10...12 Kg  | 10...12 Kg   | 10...12 Kg  |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |



M12 Angled Male

| <b>Product description</b>   |  |  |  |
|--|--|--|--|
| Standard   |  | IEC 61076-2-101  | IEC 61076-2-101  |
| Construction type  |  | D Style MM   | D Style MM   |
| Description  |  | Non-rewireable connector, right angled version with M12 locking nut, male contacts | Non-rewireable connector, right angled version with M12 locking nut, male contacts |
| Housing colour   |  | black  | black  |
| Type of contact  |  | male   | male   |
| Number of contacts   |  | 3  | 3  |
| Cable type   |  | PVC CEI 2022 II O.R.   | PUR LiY11Y   |
| Conductor specification  |  | 0,34 mm <sup>2</sup>   | 0,34 mm <sup>2</sup>   |
| Cable length   |  | 2 m  | 2 m  |
| Order no.  |  | <b>AK12S3C34200</b>  | <b>AK12S3P34200</b>  |
| Other standard options   | cable length 5m,<br>cable length 10m,      | order no. <b>AK12S3C34500</b><br>order no. <b>AK12S3C3410X</b>                     | order no. <b>AK12S3P34500</b><br>order no. <b>AK12S3P3410X</b>                     |
| Cable jacket colour  |  | grey RAL7035   | black matt   |
| Conductor colours  |  | brown - blue - black   | brown - blue - black   |
| Cable diameter +/-5%   |  | 5,0 mm   | 5,0 mm   |
| Temperature range  | static application<br>flexible application | -15°C to + 70°C  | -40°C to + 80°C<br>-25°C to + 80°C   |
| <b>Drawing</b>   |  | <p>&gt; Code A</p>   | <p>&gt; Code A</p>   |
| <b>Technical data</b>  |  |  |  |
| Pin dimension  |  | 1 mm   | 1 mm   |
| Rated voltage max.   |  | 250 V AC/DC  | 250 V AC/DC  |
| Rated current max.   |  | 4 A  | 4 A  |
| Contact resistance   |  | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Mounting   |  | Lock nut M12 x 1   | Lock nut M12 x 1   |
| Fixing screw torque  |  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |
| <b>Material</b>  |  |  |  |
| Contact material   |  | CuSn gold plated   | CuSn gold plated   |
| Contact holder material  |  | PA6T / 61 GF blue  | PA6T / 61 GF blue  |
| Housing material   |  | TPU  | TPU  |
| Coupling nut material  |  | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  |
| <b>Environmental conditions</b>                                      |  |  |  |
| Protection class (EN 60529)  |  | IP 67  | IP 67  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3  |
| <b>Inflammability class</b>  |  |  |  |
| Contact holder material  |  | UL   | UL   |
| Housing material   |  | HB   | HB   |
| <b>Packaging</b>   |  |  |  |
| Minimum quantity   |  | 100 pieces   | 100 pieces   |
| Number of boxes suitable:  | 2 boxes                                    | <b>AK12S3C34200</b>  | <b>AK12S3P34200</b>  |
|  | 2 boxes                                    | <b>AK12S3C34500</b>  | <b>AK12S3P34500</b>  |
|  | 4 boxes                                    | <b>AK12S3C3410X</b>  | <b>AK12S3P3410X</b>  |
| Approximate weight per box   |  | 10...12 Kg   | 10...12 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| <b>Notes</b>   |  |  |  |
| Technical specifications on cables and accessories see pages 171-175 |  |  |  |

## Circular Connectors **AK12** series

MOULDED IN CABLE

M12 Angled Male



|  |  |  |  |
|--|--|--|--|
| IEC 61076-2-101  | IEC 61076-2-101  | IEC 61076-2-101  | IEC 61076-2-101  |
| D Style MM   | D Style MM   | D Style MM   | D Style MM   |
| Non-rewireable connector, right angled version with M12 locking nut, male contacts | Non-rewireable connector, right angled version with M12 locking nut, male contacts | Non-rewireable connector, right angled version with M12 locking nut, male contacts   | Non-rewireable connector, right angled version with M12 locking nut, male contacts   |
| black  | black  | black  | black  |
| male   | male   | male   | male   |
| 4  | 4  | 5  | 5  |
| PVC CEI 2022 II O.R.   | PUR LiY11Y   | PVC CEI 2022 II O.R.   | PUR LiY11Y   |
| 0,34 mm <sup>2</sup>   | 0,34 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   |
| 2 m  | 2 m  | 2 m  | 2 m  |
| <b>AK12S4C34200</b>  | <b>AK12S4P34200</b>  | <b>AK12S5C25200</b>  | <b>AK12S5P25200</b>  |
| order no. <b>AK12S4C34500</b>  | order no. <b>AK12S4P34500</b>  | order no. <b>AK12S5C25500</b>  | order no. <b>AK12S5P25500</b>  |
| order no. <b>AK12S4C3410X</b>  | order no. <b>AK12S4P3410X</b>  | order no. <b>AK12S5C2510X</b>  | order no. <b>AK12S5P2510X</b>  |
| grey RAL7035   | black matt   | grey RAL7035   | black matt   |
| brown - white - blue - black   | brown - white - blue - black   | brown - black - grey - blue - white  | brown - black - grey - blue - white  |
| 5,0 mm   | 5,0 mm   | 5,0 mm   | 5,0 mm   |
| -15°C to + 70°C  | -40°C to + 80°C<br>-25°C to + 80°C   | -15°C to + 70°C  | -40°C to + 80°C<br>-25°C to + 80°C   |
| <p>Code A</p> <p>1 → Brown<br/>2 → White<br/>3 → Blue<br/>4 → Black</p>            | <p>Code A</p> <p>1 → Brown<br/>2 → White<br/>3 → Blue<br/>4 → Black</p>            | <p>Code A</p> <p>1 → Brown<br/>2 → White<br/>3 → Blue<br/>4 → Black<br/>5 → Grey</p> | <p>Code A</p> <p>1 → Brown<br/>2 → White<br/>3 → Blue<br/>4 → Black<br/>5 → Grey</p> |
| 1 mm   | 1 mm   | 1 mm   | 1 mm   |
| 250 V AC/DC  | 250 V AC/DC  | 60 V AC/DC   | 60 V AC/DC   |
| 4 A  | 4 A  | 4 A  | 4 A  |
| ≤ 10 mΩ  | ≤ 10 mΩ  | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Lock nut M12 x 1   | Lock nut M12 x 1   | Lock nut M12 x 1   | Lock nut M12 x 1   |
| min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |
| CuSn gold plated   | CuSn gold plated   | CuSn gold plated   | CuSn gold plated   |
| PA6T / 61 GF blue  | PA6T / 61 GF blue  | PA6T / 61 GF blue  | PA6T / 61 GF blue  |
| TPU  | TPU  | TPU  | TPU  |
| Zamak 15 / ZnA14Cu1  | Zamak 15 / ZnA14Cu1  | Zamak 15 / ZnA14Cu1  | Zamak 15 / ZnA14Cu1  |
| IP 67  | IP 67  | IP 67  | IP 67  |
| 3  | 3  | 3  | 3  |
| UL   | UL   | UL   | UL   |
| HB   | HB   | HB   | HB   |
| 100 pieces   | 100 pieces   | 100 pieces   | 100 pieces   |
| <b>AK12S4C34200</b>  | <b>AK12S4P34200</b>  | <b>AK12S5C25200</b>  | <b>AK12S5P25200</b>  |
| <b>AK12S4C34500</b>  | <b>AK12S4P34500</b>  | <b>AK12S5C25500</b>  | <b>AK12S5P25500</b>  |
| <b>AK12S4C3410X</b>  | <b>AK12S4P3410X</b>  | <b>AK12S5C2510X</b>  | <b>AK12S5P2510X</b>  |
| 10...12 Kg   | 10...12 Kg   | 10...12 Kg   | 10...12 Kg   |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |



## M12 Straight Female

| <b>Product description</b>   |  |  |  |
|--|--|--|--|
| Standard   |  | IEC 61076-2-101  | IEC 61076-2-101  |
| Construction type  |  | D Style LF   | D Style LF   |
| Description  |  | Non-rewireable connector, straight version with M12 locking nut, female contacts | Non-rewireable connector, straight version with M12 locking nut, female contacts |
| Housing colour   |  | black  | black  |
| Type of contact  |  | female   | female   |
| Number of contacts   |  | 3  | 3  |
| Cable type   |  | PVC CEI 2022 II O.R.   | PUR LiY11Y   |
| Conductor specification  |  | 0,34 mm <sup>2</sup>   | 0,34 mm <sup>2</sup>   |
| Cable length   |  | 2 m  | 2 m  |
| Order no.  |  | <b>AD12B3C34200</b>  | <b>AD12B3P34200</b>  |
| Other standard options   | cable length 5m,<br>cable length 10m,      | order no. <b>AD12B3C34500</b><br>order no. <b>AD12B3C3410X</b>                   | order no. <b>AD12B3P34500</b><br>order no. <b>AD12B3P3410X</b>                   |
| Cable jacket colour  |  | grey RAL7035   | black matt   |
| Conductor colours  |  | brown - blue - black   | brown - blue - black   |
| Cable diameter +/-5%   |  | 5,0 mm   | 5,0 mm   |
| Temperature range  | static application<br>flexible application | -15°C to + 70°C  | -40°C to + 80°C<br>-25°C to + 80°C   |
| <b>Drawing</b>   |  | <p>Code A</p>  | <p>Code A</p>  |
| <b>Technical data</b>  |  |  |  |
| Pin dimension  |  | 1 mm   | 1 mm   |
| Rated voltage max.   |  | 250 V AC/DC  | 250 V AC/DC  |
| Rated current max.   |  | 4 A  | 4 A  |
| Contact resistance   |  | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Mounting   |  | Lock nut M12 x 1   | Lock nut M12 x 1   |
| Fixing screw torque  |  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |
| <b>Material</b>  |  |  |  |
| Contact material   |  | CuSn gold plated   | CuSn gold plated   |
| Contact holder material  |  | PA6T / 61 GF blue  | PA6T / 61 GF blue  |
| Housing material   |  | TPU  | TPU  |
| Coupling nut material  |  | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  |
| O-Ring   |  | Viton  | Viton  |
| <b>Environmental conditions</b>                                      |  |  |  |
| Protection class (EN 60529)  |  | IP 67  | IP 67  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3  |
| <b>Inflammability class</b>  |  |  |  |
| Contact holder material  |  | UL   | UL   |
| Housing material   |  | HB   | HB   |
| <b>Packaging</b>   |  |  |  |
| Minimum quantity   |  | 100 pieces   | 100 pieces   |
| Number of boxes suitable :   | 2 boxes                                    | <b>AD12B3C34200</b>  | <b>AD12B3P34200</b>  |
|  | 2 boxes                                    | <b>AD12B3C34500</b>  | <b>AD12B3P34500</b>  |
|  | 4 boxes                                    | <b>AD12B3C3410X</b>  | <b>AD12B3P3410X</b>  |
| Approximate weight per box   |  | 10...12 Kg   | 10...12 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| <b>Notes</b>   |  |  |  |
| Technical specifications on cables and accessories see pages 171-175 |  |  |  |

## Circular Connectors **AD12** series

MOULDED IN CABLE



M12 Straight Female

|  |  |  |  |
|--|--|--|--|
| IEC 61076-2-101  | IEC 61076-2-101  | IEC 61076-2-101  | IEC 61076-2-101  |
| D Style LF   | D Style LF   | D Style LF   | D Style LF   |
| Non-rewireable connector, straight version with M12 locking nut, female contacts | Non-rewireable connector, straight version with M12 locking nut, female contacts | Non-rewireable connector, straight version with M12 locking nut, female contacts | Non-rewireable connector, straight version with M12 locking nut, female contacts |
| black  | black  | black  | black  |
| female   | female   | female   | female   |
| 4  | 4  | 5  | 5  |
| PVC CEI 2022 II O.R.   | PUR LiY11Y   | PVC CEI 2022 II O.R.   | PUR LiY11Y   |
| 0,34 mm <sup>2</sup>   | 0,34 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   |
| 2 m  | 2 m  | 2 m  | 2 m  |
| <b>AD12B4C34200</b>  | <b>AD12B4P34200</b>  | <b>AD12B5C25200</b>  | <b>AD12B5P25200</b>  |
| order no. <b>AD12B4C34500</b>  | order no. <b>AD12B4P34500</b>  | order no. <b>AD12B5C25500</b>  | order no. <b>AD12B5P25500</b>  |
| order no. <b>AD12B4C3410X</b>  | order no. <b>AD12B4P3410X</b>  | order no. <b>AD12B5C2510X</b>  | order no. <b>AD12B5P2510X</b>  |
| grey RAL7035   | black matt   | grey RAL7035   | black matt   |
| brown - white - blue - black   | brown - white - blue - black   | brown - black - grey - blue - white  | brown - black - grey - blue - white  |
| 5,0 mm   | 5,0 mm   | 5,0 mm   | 5,0 mm   |
| -15°C to + 70°C  | -40°C to + 80°C  | -15°C to + 70°C  | -40°C to + 80°C  |
|  | -25°C to + 80°C  |  | -25°C to + 80°C  |
| <p>Code A</p>  | <p>Code A</p>  | <p>Code A</p>  | <p>Code A</p>  |
| 1 mm   | 1 mm   | 1 mm   | 1 mm   |
| 250 V AC/DC  | 250 V AC/DC  | 60 V AC/DC   | 60 V AC/DC   |
| 4 A  | 4 A  | 4 A  | 4 A  |
| ≤ 10 mΩ  | ≤ 10 mΩ  | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Lock nut M12 x 1   | Lock nut M12 x 1   | Lock nut M12 x 1   | Lock nut M12 x 1   |
| min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |
| CuSn gold plated   | CuSn gold plated   | CuSn gold plated   | CuSn gold plated   |
| PA6T / 61 GF blue  | PA6T / 61 GF blue  | PA6T / 61 GF blue  | PA6T / 61 GF blue  |
| TPU  | TPU  | TPU  | TPU  |
| Zamak 15 / ZnA14Cu1  | Zamak 15 / ZnA14Cu1  | Zamak 15 / ZnA14Cu1  | Zamak 15 / ZnA14Cu1  |
| Viton  | Viton  | Viton  | Viton  |
| IP 67  | IP 67  | IP 67  | IP 67  |
| 3  | 3  | 3  | 3  |
| UL   | UL   | UL   | UL   |
| HB   | HB   | HB   | HB   |
| 100 pieces   | 100 pieces   | 100 pieces   | 100 pieces   |
| <b>AD12B4C34200</b>  | <b>AD12B4P34200</b>  | <b>AD12B5C25200</b>  | <b>AD12B5P25200</b>  |
| <b>AD12B4C34500</b>  | <b>AD12B4P34500</b>  | <b>AD12B5C25500</b>  | <b>AD12B5P25500</b>  |
| <b>AD12B4C3410X</b>  | <b>AD12B4P3410X</b>  | <b>AD12B5C2510X</b>  | <b>AD12B5P2510X</b>  |
| 10...12 Kg   | 10...12 Kg   | 10...12 Kg   | 10...12 Kg   |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |



M12 Angled Female

| <b>Product description</b>   |  |  |  |
|--|--|--|--|
| Standard   |  | IEC 61076-2-101  | IEC 61076-2-101  |
| Construction type  |  | D Style MF   | D Style MF   |
| Description  |  | Non-rewireable connector, right angled version with M12 locking nut, female contacts | Non-rewireable connector, right angled version with M12 locking nut, female contacts |
| Housing colour   |  | black  | black  |
| Type of contact  |  | female   | female   |
| Number of contacts   |  | 3  | 3  |
| Cable type   |  | PVC CEI 2022 II O.R.   | PUR LIY11Y   |
| Conductor specification  |  | 0,34 mm <sup>2</sup>   | 0,34 mm <sup>2</sup>   |
| Cable length   |  | 2 m  | 2 m  |
| Order no.  |  | <b>AK12B3C34200</b>  | <b>AK12B3P34200</b>  |
| Other standard options   | cable length 5m,<br>cable length 10m,      | order no. <b>AK12B3C34500</b><br>order no. <b>AK12B3C3410X</b>                       | order no. <b>AK12B3P34500</b><br>order no. <b>AK12B3P3410X</b>                       |
| Cable jacket colour  |  | grey RAL7035   | black matt   |
| Conductor colours  |  | brown - blue - black   | brown - blue - black   |
| Cable diameter +/-5%   |  | 5,0 mm   | 5,0 mm   |
| Temperature range  | static application<br>flexible application | -15°C to + 70°C  | -40°C to + 80°C<br>-25°C to + 80°C   |
| <b>Drawing</b>   |  | <p>Code A</p>  | <p>Code A</p>  |
| <b>Technical data</b>  |  |  |  |
| Pin dimension  |  | 1 mm   | 1 mm   |
| Rated voltage max.   |  | 250 V AC/DC  | 250 V AC/DC  |
| Rated current max.   |  | 4 A  | 4 A  |
| Contact resistance   |  | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Mounting   |  | Lock nut M12 x 1   | Lock nut M12 x 1   |
| Fixing screw torque  |  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |
| <b>Material</b>  |  |  |  |
| Contact material   |  | CuSn gold plated   | CuSn gold plated   |
| Contact holder material  |  | PA6T / 61 GF blue  | PA6T / 61 GF blue  |
| Housing material   |  | TPU  | TPU  |
| Coupling nut material  |  | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  |
| O-Ring   |  | Viton  | Viton  |
| <b>Environmental conditions</b>                                      |  |  |  |
| Protection class (EN 60529)  |  | IP 67  | IP 67  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3  |
| <b>Inflammability class</b>  |  |  |  |
| Contact holder material  |  | UL   | UL   |
| Housing material   |  | HB   | HB   |
| <b>Packaging</b>   |  |  |  |
| Minimum quantity   |  | 100 pieces   | 100 pieces   |
| Number of boxes suitable:  | 2 boxes                                    | <b>AK12B3C34200</b>  | <b>AK12B3P34200</b>  |
|  | 2 boxes                                    | <b>AK12B3C34500</b>  | <b>AK12B3P34500</b>  |
|  | 4 boxes                                    | <b>AK12B3C3410X</b>  | <b>AK12B3P3410X</b>  |
| Approximate weight per box   |  | 10...12 Kg   | 10...12 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| <b>Notes</b>   |  |  |  |
| Technical specifications on cables and accessories see pages 171-175 |  |  |  |



## Circular Connectors AK12 series

MOULDED IN CABLE



M12 Angled Female

|   |   |   |   |
|---|---|---|---|
| IEC 61076-2-101   | IEC 61076-2-101   | IEC 61076-2-101   | IEC 61076-2-101   |
| D Style MF  | D Style MF  | D Style MF  | D Style MF  |
| Non-rewireable connector, right angled version with M12 locking nut, female contacts  | Non-rewireable connector, right angled version with M12 locking nut, female contacts  | Non-rewireable connector, right angled version with M12 locking nut, female contacts  | Non-rewireable connector, right angled version with M12 locking nut, female contacts  |
| black   | black   | black   | black   |
| female  | female  | female  | female  |
| 4   | 4   | 5   | 5   |
| PVC CEI 2022 II O.R.  | PUR LiY11Y  | PVC CEI 2022 II O.R.  | PUR LiY11Y  |
| 0,34 mm <sup>2</sup>  | 0,34 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |
| 2 m   | 2 m   | 2 m   | 2 m   |
| <b>AK12B4C34200</b>   | <b>AK12B4P34200</b>   | <b>AK12B5C25200</b>   | <b>AK12B5P25200</b>   |
| order no. <b>AK12B4C34500</b>   | order no. <b>AK12B4P34500</b>   | order no. <b>AK12B5C25500</b>   | order no. <b>AK12B5P25500</b>   |
| order no. <b>AK12B4C3410X</b>   | order no. <b>AK12B4P3410X</b>   | order no. <b>AK12B5C2510X</b>   | order no. <b>AK12B5P2510X</b>   |
| grey RAL7035  | black matt  | grey RAL7035  | black matt  |
| brown - white - blue - black  | brown - white - blue - black  | brown - black - grey - blue - white   | brown - black - grey - blue - white   |
| 5,0 mm  | 5,0 mm  | 5,0 mm  | 5,0 mm  |
| -15°C to + 70°C   | -40°C to + 80°C   | -15°C to + 70°C   | -40°C to + 80°C   |
|   | -25°C to + 80°C   |   | -25°C to + 80°C   |
| <p>Code A</p> <ul style="list-style-type: none"> <li>1 ) Brown</li> <li>2 ) White</li> <li>3 ) Blue</li> <li>4 ) Black</li> </ul> | <p>Code A</p> <ul style="list-style-type: none"> <li>1 ) Brown</li> <li>2 ) White</li> <li>3 ) Blue</li> <li>4 ) Black</li> </ul> | <p>Code A</p> <ul style="list-style-type: none"> <li>1 ) Brown</li> <li>2 ) White</li> <li>3 ) Blue</li> <li>4 ) Black</li> <li>5 ) Grey</li> </ul> | <p>Code A</p> <ul style="list-style-type: none"> <li>1 ) Brown</li> <li>2 ) White</li> <li>3 ) Blue</li> <li>4 ) Black</li> <li>5 ) Grey</li> </ul> |
| 1 mm  | 1 mm  | 1 mm  | 1 mm  |
| 250 V AC/DC   | 250 V AC/DC   | 60 V AC/DC  | 60 V AC/DC  |
| 4 A   | 4 A   | 4 A   | 4 A   |
| ≤ 10 mΩ   | ≤ 10 mΩ   | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Lock nut M12 x 1  | Lock nut M12 x 1  | Lock nut M12 x 1  | Lock nut M12 x 1  |
| min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   |
| CuSn gold plated  | CuSn gold plated  | CuSn gold plated  | CuSn gold plated  |
| PA6T / 61 GF blue   | PA6T / 61 GF blue   | PA6T / 61 GF blue   | PA6T / 61 GF blue   |
| TPU   | TPU   | TPU   | TPU   |
| Zamak 15 / ZnA14Cu1   | Zamak 15 / ZnA14Cu1   | Zamak 15 / ZnA14Cu1   | Zamak 15 / ZnA14Cu1   |
| Viton   | Viton   | Viton   | Viton   |
| IP 67   | IP 67   | IP 67   | IP 67   |
| 3   | 3   | 3   | 3   |
| UL  | UL  | UL  | UL  |
| HB  | HB  | HB  | HB  |
| 100 pieces  | 100 pieces  | 100 pieces  | 100 pieces  |
| <b>AK12B4C34200</b>   | <b>AK12B4P34200</b>   | <b>AK12B5C25200</b>   | <b>AK12B5P25200</b>   |
| <b>AK12B4C34500</b>   | <b>AK12B4P34500</b>   | <b>AK12B5C25500</b>   | <b>AK12B5P25500</b>   |
| <b>AK12B4C3410X</b>   | <b>AK12B4P3410X</b>   | <b>AK12B5C2510X</b>   | <b>AK12B5P2510X</b>   |
| 10...12 Kg  | 10...12 Kg  | 10...12 Kg  | 10...12 Kg  |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |



M12 - 8 Poles

| <b>Product description</b>   |                      |  |  |
|--|----------------------|--|--|
| Standard   |                      | IEC 61076-2-101  | IEC 61076-2-101  |
| Construction type  |                      | D Style LM   | D Style MM   |
| Description  |                      | Non-rewireable connector, straight version with M12 locking nut, male contacts | Non-rewireable connector, right angled version with M12 locking nut, male contacts |
| Housing colour   |                      | black  | black  |
| Type of contact  |                      | male   | male   |
| Number of contacts   |                      | 8  | 8  |
| Cable type   |                      | PUR  | PUR  |
| Conductor specification  |                      | 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   |
| Cable length   |                      | 2 m  | 2 m  |
| Order no.  |                      | <b>AG12S8U25200</b>  | <b>AW12S8U25200</b>  |
| Other standard options   | cable length 5m,     | order no. <b>AG12S8U25500</b>  | order no. <b>AW12S8U25500</b>  |
|  | cable length 10m,    | order no. <b>AG12S8U2510X</b>  | order no. <b>AW12S8U2510X</b>  |
| Cable jacket colour  |                      | grey   | grey   |
| Conductor colours  |                      | white - brown - green - yellow<br>grey - pink - blue - red                     | white - brown - green - yellow<br>grey - pink - blue - red                         |
| Cable diameter +/-5%   |                      | 5,0 mm   | 5,0 mm   |
| Temperature range  | static application   | -40°C to + 80°C  | -40°C to + 80°C  |
|  | flexible application | -25°C to + 80°C  | -25°C to + 80°C  |
| <b>Drawing</b>   |                      | <p>▷ Code A</p>  | <p>▷ Code A</p>  |
| <b>Technical data</b>  |                      |  |  |
| Pin dimension  |                      | 0,8 mm   | 0,8 mm   |
| Rated voltage max.   |                      | 30 V AC/DC   | 30 V AC/DC   |
| Rated current max.   |                      | 2 A  | 2 A  |
| Contact resistance   |                      | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Mounting   |                      | Lock nut M12 x 1   | Lock nut M12 x 1   |
| Fixing screw torque  |                      | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |
| <b>Material</b>  |                      |  |  |
| Contact material   |                      | CuSn gold plated   | CuSn gold plated   |
| Contact holder material  |                      | PA6 GF black   | PA6 GF black   |
| Housing material   |                      | TPU  | TPU  |
| Coupling nut material  |                      | CuZn Nickel plated   | CuZn Nickel plated   |
| O-Ring   |                      | Viton  | Viton  |
| <b>Environmental conditions</b>                                      |                      |  |  |
| Protection class (EN 60529)  |                      | IP 67  | IP 67  |
| Pollution severity (EN 60664-1)                                      |                      | 3  | 3  |
| <b>Inflammability class</b>  |                      |  |  |
| Contact holder material  |                      | HB   | HB   |
| Housing material   |                      | HB   | HB   |
| <b>Packaging</b>   |                      |  |  |
| Minimum quantity   |                      | 100 pieces   | 100 pieces   |
| Number of boxes suitable:  | 2 boxes              | <b>AG12S8U25200</b>  | <b>AW12S8U25200</b>  |
|  | 2 boxes              | <b>AG12S8U25500</b>  | <b>AW12S8U25500</b>  |
|  | 4 boxes              | <b>AG12S8U2510X</b>  | <b>AW12S8U2510X</b>  |
| Approximate weight per box   |                      | 10...12 Kg   | 10...12 Kg   |
| Box dimension  |                      | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| <b>Notes</b>   |                      |  |  |
| Technical specifications on cables and accessories see pages 171-175 |                      |  |  |



|  |  |  |  |
|--|--|--|--|
| IEC 61076-2-101  | IEC 61076-2-101  |  |  |
| D Style LF   | D Style MF   |  |  |
| Non-rewireable connector, straight version with M12 locking nut, female contacts | Non-rewireable connector, angled version with M12 locking nut, female contacts |  |  |
| black  | black  |  |  |
| female   | female   |  |  |
| 8  | 8  |  |  |
| PUR  | PUR  |  |  |
| 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   |  |  |
| 2 m  | 2 m  |  |  |
| <b>AG12B8U25200</b>  | <b>AW12B8U25200</b>  |  |  |
| order no. <b>AG12B8U25500</b>  | order no. <b>AW12B8U25500</b>  |  |  |
| order no. <b>AG12B8U2510X</b>  | order no. <b>AW12B8U2510X</b>  |  |  |
| grey   | grey   |  |  |
| white - brown - green - yellow<br>grey - pink - blue - red                       | white - brown - green - yellow<br>grey - pink - blue - red                     |  |  |
| 5,0 mm   | 5,0 mm   |  |  |
| -40°C to + 80°C  | -40°C to + 80°C  |  |  |
| -25°C to + 80°C  | -25°C to + 80°C  |  |  |
| <p>▷ Code A</p>  | <p>▷ Code A</p>  |  |  |
| 0,8 mm   | 0,8 mm   |  |  |
| 30 V AC/DC   | 30 V AC/DC   |  |  |
| 2 A  | 2 A  |  |  |
| ≤ 10 mΩ  | ≤ 10 mΩ  |  |  |
| Lock nut M12 x 1   | Lock nut M12 x 1   |  |  |
| min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |  |  |
| CuSn gold plated   | CuSn gold plated   |  |  |
| PA6 GF black   | PA6 GF black   |  |  |
| TPU  | TPU  |  |  |
| CuZn Nikel plated  | CuZn Nikel plated  |  |  |
| Viton  | Viton  |  |  |
| IP 67  | IP 67  |  |  |
| 3  | 3  |  |  |
| HB   | HB   |  |  |
| HB   | HB   |  |  |
| 100 pieces   | 100 pieces   |  |  |
| <b>AG12B8U25200</b>  | <b>AW12B8U25200</b>  |  |  |
| <b>AG12B8U25500</b>  | <b>AW12B8U25500</b>  |  |  |
| <b>AG12B8U2510X</b>  | <b>AW12B8U2510X</b>  |  |  |
| 10...12 Kg   | 10...12 Kg   |  |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |  |  |



| <b>Product description</b>   |                      |  |  |
|--|----------------------|--|--|
| Standard   |                      | IEC 61076-2-101  | IEC 61076-2-101  |
| Construction type  |                      | D LM and LF style  | D LM and LF style  |
| Description  |                      | Non-rewireable connector with M12 locking nut male and female straight version | Non-rewireable connector with M12 locking nut male and female straight version |
| Housing colour   |                      | black  | black  |
| Type of contact  |                      | male + female  | male + female  |
| Number of contacts   |                      | 3  | 3  |
| Cable type   |                      | PVC CEI 2022 II O.R.   | PUR LiY11Y   |
| Conductor specification  |                      | 0,34 mm <sup>2</sup>   | 0,34 mm <sup>2</sup>   |
| Cable length   |                      | 2 m  | 2 m  |
| Order no.  |                      | <b>ED2BD2S3C34200</b>  | <b>ED2BD2S3P34200</b>  |
| Other standard options   | cable length 1,0m,   | order no. <b>ED2BD2S3C34100</b>  | order no. <b>ED2BD2S3P34100</b>  |
| Cable jacket colour  |                      | grey RAL7035   | black matt   |
| Conductor colours  |                      | brown - blue - black   | brown - blue - black   |
| Cable diameter +/-5%   |                      | 5,0 mm   | 5,0 mm   |
| Temperature range  | static application   | -15°C to + 70°C  | -40°C to + 80°C  |
|  | flexible application |  | -25°C to + 80°C  |
| <b>Drawing</b>   |                      | <p>&gt; Code A</p>   | <p>&gt; Code A</p>   |
| <b>Technical data</b>  |                      |  |  |
| Pin dimension  |                      | 1 mm   | 1 mm   |
| Rated voltage max.   |                      | 250 V AC/DC  | 250 V AC/DC  |
| Rated current max.   |                      | 4 A  | 4 A  |
| Contact resistance   |                      | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Mounting   |                      | Lock nut M12 x 1   | Lock nut M12 x 1   |
| Fixing screw torque  |                      | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |
| <b>Material</b>  |                      |  |  |
| Contact material   |                      | CuSn gold plated   | CuSn gold plated   |
| Contact holder material  |                      | PA6T / 61 GF blue  | PA6T / 61 GF blue  |
| Housing material   |                      | TPU  | TPU  |
| Coupling nut material  |                      | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  |
| O-Ring   |                      | Viton  | Viton  |
| <b>Environmental conditions</b>                                      |                      |  |  |
| Protection class (EN 60529)  |                      | IP 67  | IP 67  |
| Pollution severity (EN 60664-1)                                      |                      | 3  | 3  |
| <b>Inflammability class</b>  |                      |  |  |
| Contact holder material  |                      | UL   | UL   |
| Housing material   |                      | HB   | HB   |
| <b>Packaging</b>   |                      |  |  |
| Minimum quantity   |                      | 100 pieces   | 100 pieces   |
| Number of boxes suitable:  | 2 boxes              | <b>ED2BD2S3C34200</b>  | <b>ED2BD2S3P34200</b>  |
|  | 1 box                | <b>ED2BD2S3C34100</b>  | <b>ED2BD2S3P34100</b>  |
| Approximate weight per box   |                      | 10...12 Kg   | 10...12 Kg   |
| Box dimension  |                      | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| <b>Notes</b>   |                      |  |  |
| Technical specifications on cables and accessories see pages 171-175 |                      |  |  |

## Circular Connectors ED2 series

MOLDED CABLE CONNECTOR



M12 / M12 Extension

|  |  |  |  |
|--|--|--|--|
| IEC 61076-2-101  | IEC 61076-2-101  | IEC 61076-2-101  | IEC 61076-2-101  |
| D LM and LF style  | D LM and LF style  | D LM and LF style  | D LM and LF style  |
| Non-rewireable connector with M12 locking nut male and female straight version | Non-rewireable connector with M12 locking nut male and female straight version | Non-rewireable connector with M12 locking nut male and female straight version | Non-rewireable connector with M12 locking nut male and female straight version |
| black  | black  | black  | black  |
| male + female  | male + female  | male + female  | male + female  |
| 4  | 4  | 5  | 5  |
| PVC CEI 2022 II O.R.<br>0,34 mm <sup>2</sup><br>2 m                            | PUR LiY11Y<br>0,34 mm <sup>2</sup><br>2 m                                      | PVC CEI 2022 II O.R.<br>0,25 mm <sup>2</sup><br>2 m                            | PUR LiY11Y<br>0,25 mm <sup>2</sup><br>2 m                                      |
| <b>ED2BD2S4C34200</b>  | <b>ED2BD2S4P34200</b>  | <b>ED2BD2S5C25200</b>  | <b>ED2BD2S5P25200</b>  |
| order no. <b>ED2BD2S4C34100</b>  | order no. <b>ED2BD2S4P34100</b>  | order no. <b>ED2BD2S5C25100</b>  | order no. <b>ED2BD2S5P25100</b>  |
| grey RAL7035   | black matt   | grey RAL7035   | black matt   |
| brown - white - blue - black   | brown - white - blue - black   | brown - black - grey - blue - white  | brown - black - grey - blue - white  |
| 5,0 mm   | 5,0 mm   | 5,0 mm   | 5,0 mm   |
| -15°C to + 70°C  | -40°C to + 80°C<br>-25°C to + 80°C   | -15°C to + 70°C  | -40°C to + 80°C<br>-25°C to + 80°C   |
| <p>▷ Code A</p>  | <p>▷ Code A</p>  | <p>▷ Code A</p>  | <p>▷ Code A</p>  |
| 1 mm   | 1 mm   | 1 mm   | 1 mm   |
| 250 V AC/DC  | 250 V AC/DC  | 60 V AC/DC   | 60 V AC/DC   |
| 4 A  | 4 A  | 4 A  | 4 A  |
| ≤ 10 mΩ  | ≤ 10 mΩ  | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Lock nut M12 x 1   | Lock nut M12 x 1   | Lock nut M12 x 1   | Lock nut M12 x 1   |
| min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |
| CuSn gold plated   | CuSn gold plated   | CuSn gold plated   | CuSn gold plated   |
| PA6T / 61 GF blue  | PA6T / 61 GF blue  | PA6T / 61 GF blue  | PA6T / 61 GF blue  |
| TPU  | TPU  | TPU  | TPU  |
| Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  |
| Viton  | Viton  | Viton  | Viton  |
| IP 67  | IP 67  | IP 67  | IP 67  |
| 3  | 3  | 3  | 3  |
| UL   | UL   | UL   | UL   |
| HB   | HB   | HB   | HB   |
| 100 pieces   | 100 pieces   | 100 pieces   | 100 pieces   |
| <b>ED2BD2S4C34200</b>  | <b>ED2BD2S4P34200</b>  | <b>ED2BD2S5C25200</b>  | <b>ED2BD2S5P25200</b>  |
| <b>ED2BD2S4C34100</b>  | <b>ED2BD2S4P34100</b>  | <b>ED2BD2S5C25100</b>  | <b>ED2BD2S5P25100</b>  |
| 10...12 Kg   | 10...12 Kg   | 10...12 Kg   | 10...12 Kg   |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |



| <b>Product description</b>   |                      |   |   |
|--|----------------------|---|---|
| Standard   |                      | IEC 61076-2-101   | IEC 61076-2-101   |
| Construction type  |                      | D LM and MF style   | D LM and MF style   |
| Description  |                      | Non-rewireable connector with M12 locking nut male straight and female right angled version | Non-rewireable connector with M12 locking nut male straight and female right angled version |
| Housing colour   |                      | black   | black   |
| Type of contact  |                      | male + female   | male + female   |
| Number of contacts   |                      | 3   | 3   |
| Cable type   |                      | PVC CEI 2022 II O.R.  | PUR LIY11Y  |
| Conductor specification  |                      | 0,34 mm <sup>2</sup>  | 0,34 mm <sup>2</sup>  |
| Cable length   |                      | 2 m   | 2 m   |
| Order no.  |                      | <b>EK2BD2S3C34200</b>   | <b>EK2BD2S3P34200</b>   |
| Other standard options   | cable length 1,0m,   | order no. <b>EK2BD2S3C34100</b>   | order no. <b>EK2BD2S3P34100</b>   |
| Cable jacket colour  |                      | grey RAL7035  | black matt  |
| Conductor colours  |                      | brown - blue - black  | brown - blue - black  |
| Cable diameter +/-5%   |                      | 5,0 mm  | 5,0 mm  |
| Temperature range  | static application   | -15°C to + 70°C   | -40°C to + 80°C   |
|  | flexible application |   | -25°C to + 80°C   |
| <b>Drawing</b>   |                      | <p>▷ Code A</p>   | <p>▷ Code A</p>   |
| <b>Technical data</b>  |                      |   |   |
| Pin dimension  |                      | 1 mm  | 1 mm  |
| Rated voltage max.   |                      | 250 V AC/DC   | 250 V AC/DC   |
| Rated current max.   |                      | 4 A   | 4 A   |
| Contact resistance   |                      | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Mounting   |                      | Lock nut M12 x 1  | Lock nut M12 x 1  |
| Fixing screw torque  |                      | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   |
| <b>Material</b>  |                      |   |   |
| Contact material   |                      | CuSn gold plated  | CuSn gold plated  |
| Contact holder material  |                      | PA6T / 61 GF blue   | PA6T / 61 GF blue   |
| Housing material   |                      | TPU   | TPU   |
| Coupling nut material  |                      | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   |
| O-Ring   |                      | Viton   | Viton   |
| <b>Environmental conditions</b>                                      |                      |   |   |
| Protection class (EN 60529)  |                      | IP 67   | IP 67   |
| Pollution severity (EN 60664-1)                                      |                      | 3   | 3   |
| <b>Inflammability class</b>  |                      |   |   |
| Contact holder material  |                      | UL  | UL  |
| Housing material   |                      | HB  | HB  |
| <b>Packaging</b>   |                      |   |   |
| Minimum quantity   |                      | 100 pieces  | 100 pieces  |
| Number of boxes suitable:  | 2 boxes              | <b>EK2BD2S3C34200</b>   | <b>EK2BD2S3P34200</b>   |
|  | 1 box                | <b>EK2BD2S3C34100</b>   | <b>EK2BD2S3P34100</b>   |
| Approximate weight per box   |                      | 10...12 Kg  | 10...12 Kg  |
| Box dimension  |                      | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Notes</b>   |                      |   |   |
| Technical specifications on cables and accessories see pages 171-175 |                      |   |   |

## Circular Connectors EK2 series

MOULDED IN CABLE



M12 / M12 Extension

|   |   |   |   |
|---|---|---|---|
| IEC 61076-2-101   | IEC 61076-2-101   | IEC 61076-2-101   | IEC 61076-2-101   |
| D LM and MF style   | D LM and MF style   | D LM and MF style   | D LM and MF style   |
| Non-rewireable connector with M12 locking nut male straight and female right angled version | Non-rewireable connector with M12 locking nut male straight and female right angled version | Non-rewireable connector with M12 locking nut male straight and female right angled version | Non-rewireable connector with M12 locking nut male straight and female right angled version |
| black   | black   | black   | black   |
| male + female   | male + female   | male + female   | male + female   |
| 4   | 4   | 5   | 5   |
| PVC CEI 2022 II O.R.  | PUR LiY11Y  | PVC CEI 2022 II O.R.  | PUR LiY11Y  |
| 0,34 mm <sup>2</sup>  | 0,34 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |
| 2 m   | 2 m   | 2 m   | 2 m   |
| <b>EK2BD2S4C34200</b>   | <b>EK2BD2S4P34200</b>   | <b>EK2BD2S5C25200</b>   | <b>EK2BD2S5P25200</b>   |
| order no. <b>EK2BD2S4C34100</b>   | order no. <b>EK2BD2S4P34100</b>   | order no. <b>EK2BD2S5C25100</b>   | order no. <b>EK2BD2S5P25100</b>   |
| grey RAL7035  | black matt  | grey RAL7035  | black matt  |
| brown - white - blue - black  | brown - white - blue - black  | brown - black - grey - blue - white   | brown - black - grey - blue - white   |
| 5,0 mm  | 5,0 mm  | 5,0 mm  | 5,0 mm  |
| -15°C to + 70°C   | -40°C to + 80°C   | -15°C to + 70°C   | -40°C to + 80°C   |
|   | -25°C to + 80°C   |   | -25°C to + 80°C   |
| <p>▷ Code A</p>   | <p>▷ Code A</p>   | <p>▷ Code A</p>   | <p>▷ Code A</p>   |
| 1 mm  | 1 mm  | 1 mm  | 1 mm  |
| 250 V AC/DC   | 250 V AC/DC   | 60 V AC/DC  | 60 V AC/DC  |
| 4 A   | 4 A   | 4 A   | 4 A   |
| ≤ 10 mΩ   | ≤ 10 mΩ   | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Lock nut M12 x 1  | Lock nut M12 x 1  | Lock nut M12 x 1  | Lock nut M12 x 1  |
| min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   |
| CuSn gold plated  | CuSn gold plated  | CuSn gold plated  | CuSn gold plated  |
| PA6T / 61 GF blue   | PA6T / 61 GF blue   | PA6T / 61 GF blue   | PA6T / 61 GF blue   |
| TPU   | TPU   | TPU   | TPU   |
| Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   |
| Viton   | Viton   | Viton   | Viton   |
| IP 67   | IP 67   | IP 67   | IP 67   |
| 3   | 3   | 3   | 3   |
| UL  | UL  | UL  | UL  |
| HB  | HB  | HB  | HB  |
| 100 pieces  | 100 pieces  | 100 pieces  | 100 pieces  |
| <b>EK2BD2S4C34200</b>   | <b>EK2BD2S4P34200</b>   | <b>EK2BD2S5C25200</b>   | <b>EK2BD2S5P25200</b>   |
| <b>EK2BD2S4C34100</b>   | <b>EK2BD2S4P34100</b>   | <b>EK2BD2S5C25100</b>   | <b>EK2BD2S5P25100</b>   |
| 10...12 Kg  | 10...12 Kg  | 10...12 Kg  | 10...12 Kg  |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |



| Product description  |  |   |   |
|--|--|---|---|
| Standard   |  | IEC 61076-2-101   | IEC 61076-2-101   |
| Construction type  |  | D MM and LF style   | D MM and LF style   |
| Description  |  | Non-rewireable connector with M12 locking nut male right angled and female straight version | Non-rewireable connector with M12 locking nut male right angled and female straight version |
| Housing colour   |  | black   | black   |
| Type of contact  |  | male + female   | male + female   |
| Number of contacts   |  | 3   | 3   |
| Cable type   |  | PVC CEI 2022 II O.R.  | PUR LIY11Y  |
| Conductor specification  |  | 0,34 mm <sup>2</sup>  | 0,34 mm <sup>2</sup>  |
| Cable length   |  | 2 m   | 2 m   |
| Order no.  |  | <b>ED2BK2S3C34200</b>   | <b>ED2BK2S3P34200</b>   |
| Other standard options   | cable length 1,0m,                         | order no. <b>ED2BK2S3C34100</b>   | order no. <b>ED2BK2S3P34100</b>   |
| Cable jacket colour  |  | grey RAL7035  | black matt  |
| Conductor colours  |  | brown - blue - black  | brown - blue - black  |
| Cable diameter +/-5%   |  | 5,0 mm  | 5,0 mm  |
| Temperature range  | static application<br>flexible application | -15°C to + 70°C   | -40°C to + 80°C<br>-25°C to + 80°C  |
| <b>Drawing</b>   |  | <p>▷ Code A</p>   | <p>▷ Code A</p>   |
| <b>Technical data</b>  |  |   |   |
| Pin dimension  |  | 1 mm  | 1 mm  |
| Rated voltage max.   |  | 250 V AC/DC   | 250 V AC/DC   |
| Rated current max.   |  | 4 A   | 4 A   |
| Contact resistance   |  | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Mounting   |  | Lock nut M12 x 1  | Lock nut M12 x 1  |
| Fixing screw torque  |  | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   |
| <b>Material</b>  |  |   |   |
| Contact material   |  | CuSn gold plated  | CuSn gold plated  |
| Contact holder material  |  | PA6T / 61 GF blue   | PA6T / 61 GF blue   |
| Housing material   |  | TPU   | TPU   |
| Coupling nut material  |  | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   |
| O-Ring   |  | Viton   | Viton   |
| <b>Environmental conditions</b>                                      |  |   |   |
| Protection class (EN 60529)  |  | IP 67   | IP 67   |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3   |
| <b>Inflammability class</b>  |  |   |   |
| Contact holder material  |  | UL  | UL  |
| Housing material   |  | HB  | HB  |
| <b>Packaging</b>   |  |   |   |
| Minimum quantity   |  | 100 pieces  | 100 pieces  |
| Number of boxes suitable:  | 2 boxes                                    | <b>ED2BK2S3C34200</b>   | <b>ED2BK2S3P34200</b>   |
|  | 1 box                                      | <b>ED2BK2S3C34100</b>   | <b>ED2BK2S3P34100</b>   |
| Approximate weight per box   |  | 10...12 Kg  | 10...12 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Notes</b>   |  |   |   |
| Technical specifications on cables and accessories see pages 171-175 |  |   |   |



## Circular Connectors ED2 series

MOLDED CABLE CONNECTOR



M12 / M12 Extension

|   |   |   |   |
|---|---|---|---|
| IEC 61076-2-101   | IEC 61076-2-101   | IEC 61076-2-101   | IEC 61076-2-101   |
| D MM and LF style   | D MM and LF style   | D MM and LF style   | D MM and LF style   |
| Non-rewireable connector with M12 locking nut male right angled and female straight version | Non-rewireable connector with M12 locking nut male right angled and female straight version | Non-rewireable connector with M12 locking nut male right angled and female straight version | Non-rewireable connector with M12 locking nut male right angled and female straight version |
| black   | black   | black   | black   |
| male + female   | male + female   | male + female   | male + female   |
| 4   | 4   | 5   | 5   |
| PVC CEI 2022 II O.R.  | PUR LiY11Y  | PVC CEI 2022 II O.R.  | PUR LiY11Y  |
| 0,34 mm <sup>2</sup>  | 0,34 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |
| 2 m   | 2 m   | 2 m   | 2 m   |
| <b>ED2BK2S4C34200</b>   | <b>ED2BK2S4P34200</b>   | <b>ED2BK2S5C25200</b>   | <b>ED2BK2S5P25200</b>   |
| order no. <b>ED2BK2S4C34100</b>   | order no. <b>ED2BK2S4P34100</b>   | order no. <b>ED2BK2S5C25100</b>   | order no. <b>ED2BK2S5P25100</b>   |
| grey RAL7035  | black matt  | grey RAL7035  | black matt  |
| brown - white - blue - black  | brown - white - blue - black  | brown - black - grey - blue - white   | brown - black - grey - blue - white   |
| 5,0 mm  | 5,0 mm  | 5,0 mm  | 5,0 mm  |
| -15°C to + 70°C   | -40°C to + 80°C   | -15°C to + 70°C   | -40°C to + 80°C   |
|   | -25°C to + 80°C   |   | -25°C to + 80°C   |
| <p>▷ Code A</p>   | <p>▷ Code A</p>   | <p>▷ Code A</p>   | <p>▷ Code A</p>   |
| 1 mm  | 1 mm  | 1 mm  | 1 mm  |
| 250 V AC/DC   | 250 V AC/DC   | 60 V AC/DC  | 60 V AC/DC  |
| 4 A   | 4 A   | 4 A   | 4 A   |
| ≤ 10 mΩ   | ≤ 10 mΩ   | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Lock nut M12 x 1  | Lock nut M12 x 1  | Lock nut M12 x 1  | Lock nut M12 x 1  |
| min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   |
| CuSn gold plated  | CuSn gold plated  | CuSn gold plated  | CuSn gold plated  |
| PA6T / 61 GF blue   | PA6T / 61 GF blue   | PA6T / 61 GF blue   | PA6T / 61 GF blue   |
| TPU   | TPU   | TPU   | TPU   |
| Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   |
| Viton   | Viton   | Viton   | Viton   |
| IP 67   | IP 67   | IP 67   | IP 67   |
| 3   | 3   | 3   | 3   |
| UL  | UL  | UL  | UL  |
| HB  | HB  | HB  | HB  |
| 100 pieces  | 100 pieces  | 100 pieces  | 100 pieces  |
| <b>ED2BK2S4C34200</b>   | <b>ED2BK2S4P34200</b>   | <b>ED2BK2S5C25200</b>   | <b>ED2BK2S5P25200</b>   |
| <b>ED2BK2S4C34100</b>   | <b>ED2BK2S4P34100</b>   | <b>ED2BK2S5C25100</b>   | <b>ED2BK2S5P25100</b>   |
| 10...12 Kg  | 10...12 Kg  | 10...12 Kg  | 10...12 Kg  |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |



M12 / M12 Extension

| <b>Product description</b>   |                      |  |  |
|--|----------------------|--|--|
| Standard   |                      | IEC 61076-2-101  | IEC 61076-2-101  |
| Construction type  |                      | D MM and MF style  | D MM and MF style  |
| Description  |                      | Non-rewireable connector with M12 locking nut male and female right angled version | Non-rewireable connector with M12 locking nut male and female right angled version |
| Housing colour   |                      | black  | black  |
| Type of contact  |                      | male + female  | male + female  |
| Number of contacts   |                      | 3  | 3  |
| Cable type   |                      | PVC CEI 2022 II O.R.   | PUR LIY11Y   |
| Conductor specification  |                      | 0,34 mm <sup>2</sup>   | 0,34 mm <sup>2</sup>   |
| Cable length   |                      | 2 m  | 2 m  |
| Order no.  |                      | <b>EK2BK2S3C34200</b>  | <b>EK2BK2S3P34200</b>  |
| Other standard options   | cable length 1,0m,   | order no. <b>EK2BK2S3C34100</b>  | order no. <b>EK2BK2S3P34100</b>  |
| Cable jacket colour  |                      | grey RAL7035   | black matt   |
| Conductor colours  |                      | brown - blue - black   | brown - blue - black   |
| Cable diameter +/-5%   |                      | 5,0 mm   | 5,0 mm   |
| Temperature range  | static application   | -15°C to + 70°C  | -40°C to + 80°C  |
|  | flexible application |  | -25°C to + 80°C  |
| <b>Drawing</b>   |                      | <p>&gt; Code A</p>   | <p>&gt; Code A</p>   |
| <b>Technical data</b>  |                      |  |  |
| Pin dimension  |                      | 1 mm   | 1 mm   |
| Rated voltage max.   |                      | 250 V AC/DC  | 250 V AC/DC  |
| Rated current max.   |                      | 4 A  | 4 A  |
| Contact resistance   |                      | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Mounting   |                      | Lock nut M12 x 1   | Lock nut M12 x 1   |
| Fixing screw torque  |                      | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |
| <b>Material</b>  |                      |  |  |
| Contact material   |                      | CuSn gold plated   | CuSn gold plated   |
| Contact holder material  |                      | PA6T / 61 GF blue  | PA6T / 61 GF blue  |
| Housing material   |                      | TPU  | TPU  |
| Coupling nut material  |                      | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  |
| O-Ring   |                      | Viton  | Viton  |
| <b>Environmental conditions</b>                                      |                      |  |  |
| Protection class (EN 60529)  |                      | IP 67  | IP 67  |
| Pollution severity (EN 60664-1)                                      |                      | 3  | 3  |
| <b>Inflammability class</b>  |                      |  |  |
| Contact holder material  |                      | UL   | UL   |
| Housing material   |                      | HB   | HB   |
| <b>Packaging</b>   |                      |  |  |
| Minimum quantity   |                      | 100 pieces   | 100 pieces   |
| Number of boxes suitable:  | 2 boxes              | <b>EK2BK2S3C34200</b>  | <b>EK2BK2S3P34200</b>  |
|  | 1 box                | <b>EK2BK2S3C34100</b>  | <b>EK2BK2S3P34100</b>  |
| Approximate weight per box   |                      | 10...12 Kg   | 10...12 Kg   |
| Box dimension  |                      | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| <b>Notes</b>   |                      |  |  |
| Technical specifications on cables and accessories see pages 171-175 |                      |  |  |

# Circular Connectors EK2 series

MOULDED IN CABLE



M12 / M12 Extension

|  |  |  |  |
|--|--|--|--|
| IEC 61076-2-101  | IEC 61076-2-101  | IEC 61076-2-101  | IEC 61076-2-101  |
| D MM and MF style  | D MM and MF style  | D MM and MF style  | D MM and MF style  |
| Non-rewireable connector with M12 locking nut male and female right angled version | Non-rewireable connector with M12 locking nut male and female right angled version | Non-rewireable connector with M12 locking nut male and female right angled version | Non-rewireable connector with M12 locking nut male and female right angled version |
| black  | black  | black  | black  |
| male + female  | male + female  | male + female  | male + female  |
| 4  | 4  | 5  | 5  |
| PVC CEI 2022 II O.R.   | PUR LiY11Y   | PVC CEI 2022 II O.R.   | PUR LiY11Y   |
| 0,34 mm <sup>2</sup>   | 0,34 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   |
| 2 m  | 2 m  | 2 m  | 2 m  |
| <b>EK2BK2S4C34200</b>  | <b>EK2BK2S4P34200</b>  | <b>EK2BK2S5C25200</b>  | <b>EK2BK2S5P25200</b>  |
| order no. <b>EK2BK2S4C34100</b>  | order no. <b>EK2BK2S4P34100</b>  | order no. <b>EK2BK2S5C25100</b>  | order no. <b>EK2BK2S5P25100</b>  |
| grey RAL7035   | black matt   | grey RAL7035   | black matt   |
| brown - white - blue - black   | brown - white - blue - black   | brown - black - grey - blue - white  | brown - black - grey - blue - white  |
| 5,0 mm   | 5,0 mm   | 5,0 mm   | 5,0 mm   |
| -15°C to + 70°C  | -40°C to + 80°C  | -15°C to + 70°C  | -40°C to + 80°C  |
|  | -25°C to + 80°C  |  | -25°C to + 80°C  |
| <p>Code A</p>  | <p>Code A</p>  | <p>Code A</p>  | <p>Code A</p>  |
| 1 mm   | 1 mm   | 1 mm   | 1 mm   |
| 250 V AC/DC  | 250 V AC/DC  | 60 V AC/DC   | 60 V AC/DC   |
| 4 A  | 4 A  | 4 A  | 4 A  |
| ≤ 10 mΩ  | ≤ 10 mΩ  | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Lock nut M12 x 1   | Lock nut M12 x 1   | Lock nut M12 x 1   | Lock nut M12 x 1   |
| min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |
| CuSn gold plated   | CuSn gold plated   | CuSn gold plated   | CuSn gold plated   |
| PA6T / 61 GF blue  | PA6T / 61 GF blue  | PA6T / 61 GF blue  | PA6T / 61 GF blue  |
| TPU  | TPU  | TPU  | TPU  |
| Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  |
| Viton  | Viton  | Viton  | Viton  |
| IP 67  | IP 67  | IP 67  | IP 67  |
| 3  | 3  | 3  | 3  |
| UL   | UL   | UL   | UL   |
| HB   | HB   | HB   | HB   |
| 100 pieces   | 100 pieces   | 100 pieces   | 100 pieces   |
| <b>EK2BK2S4C34200</b>  | <b>EK2BK2S4P34200</b>  | <b>EK2BK2S5C25200</b>  | <b>EK2BK2S5P25200</b>  |
| <b>EK2BK2S4C34100</b>  | <b>EK2BK2S4P34100</b>  | <b>EK2BK2S5C25100</b>  | <b>EK2BK2S5P25100</b>  |
| 10...12 Kg   | 10...12 Kg   | 10...12 Kg   | 10...12 Kg   |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |



| <b>Product description</b>   |                      |  |   |
|--|----------------------|--|---|
| Standard   |                      | IEC 61076-2-101  | IEC 61076-2-101   |
| Construction type  |                      | D LM and LF style  | D LM and MF style   |
| Description  |                      | Non-rewireable connector with M12 locking nut male and female straight version | Non-rewireable connector with M12 locking nut male straight and female right angled version |
| Housing colour   |                      | black  | black   |
| Type of contact  |                      | male + female  | male + female   |
| Number of contacts   |                      | 8  | 8   |
| Cable type   |                      | PUR  | PUR   |
| Conductor specification  |                      | 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>  |
| Cable length   |                      | 2 m  | 2 m   |
| Order no.  |                      | <b>EG2BG2S8U25200</b>  | <b>EW2BG2S8U25200</b>   |
| Other standard options   | cable length 1,0m,   | order no. <b>EG2BG2S8U25100</b>  | order no. <b>EW2BG2S8U25100</b>   |
| Cable jacket colour  |                      | grey   | grey  |
| Conductor colours  |                      | white - brown - green - yellow<br>grey - pink - blue - red                     | white - brown - green - yellow<br>grey - pink - blue - red                                  |
| Cable diameter +/-5%   |                      | 5,0 mm   | 5,0 mm  |
| Temperature range  | static application   | -40°C to + 80°C  | -40°C to + 80°C   |
|  | flexible application | -25°C to + 80°C  | -25°C to + 80°C   |
| <b>Drawing</b>   |                      |  |   |
|  |                      | <p>▷ Code A</p>  | <p>▷ Code A</p>   |
| <b>Technical data</b>  |                      |  |   |
| Pin dimension  |                      | 0,8 mm   | 0,8 mm  |
| Rated voltage max.   |                      | 30 V AC/DC   | 30 V AC/DC  |
| Rated current max.   |                      | 2 A  | 2 A   |
| Contact resistance   |                      | ≤ 10 mΩ  | ≤ 10 mΩ   |
| Mounting   |                      | Lock nut M12 x 1   | Lock nut M12 x 1  |
| Fixing screw torque  |                      | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m   |
| <b>Material</b>  |                      |  |   |
| Contact material   |                      | CuSn gold plated   | CuSn gold plated  |
| Contact holder material  |                      | PA6 black  | PA6 black   |
| Housing material   |                      | TPU  | TPU   |
| Coupling nut material  |                      | CuZn Nikel plated  | CuZn Nikel plated   |
| O-Ring   |                      | Viton  | Viton   |
| <b>Environmental conditions</b>                                      |                      |  |   |
| Protection class (EN 60529)  |                      | IP 67  | IP 67   |
| Pollution severity (EN 60664-1)                                      |                      | 3  | 3   |
| <b>Inflammability class</b>  |                      |  |   |
| Contact holder material  |                      | HB   | HB  |
| Housing material   |                      | HB   | HB  |
| <b>Packaging</b>   |                      |  |   |
| Minimum quantity   |                      | 100 pieces   | 100 pieces  |
| Number of boxes suitable:  | 2 boxes              | <b>EG2BG2S8U25200</b>  | <b>EW2BG2S8U25200</b>   |
|  | 1 box                | <b>EG2BG2S8U25100</b>  | <b>EW2BG2S8U25100</b>   |
| Approximate weight per box   |                      | 10...12 Kg   | 10...12 Kg  |
| Box dimension  |                      | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm   |
| <b>Notes</b>   |                      |  |   |
| Technical specifications on cables and accessories see pages 171-175 |                      |  |   |



|   |   |  |  |
|---|---|--|--|
| IEC 61076-2-101   | IEC 61076-2-101   |  |  |
| D MM and LF style   | D MM and MF style   |  |  |
| Non-rewireable connector with M12 locking nut male right angled and female straight version | Non-rewireable connector with M12 locking nut male right angled and female right angled version |  |  |
| black   | black   |  |  |
| male + female   | male + female   |  |  |
| 8   | 8   |  |  |
| PUR   | PUR   |  |  |
| 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |  |  |
| 2 m   | 2 m   |  |  |
| <b>EG2BW2S8U25200</b>   | <b>EW2BW2S8U25200</b>   |  |  |
| order no. <b>EG2BW2S8U25100</b>   | order no. <b>EW2BW2S8U25100</b>   |  |  |
| grey  | grey  |  |  |
| white - brown - green - yellow<br>grey - pink - blue - red                                  | white - brown - green - yellow<br>grey - pink - blue - red                                      |  |  |
| 5,0 mm  | 5,0 mm  |  |  |
| -40°C to + 80°C   | -40°C to + 80°C   |  |  |
| -25°C to + 80°C   | -25°C to + 80°C   |  |  |
| <p>▷ Code A</p>   | <p>▷ Code A</p>   |  |  |
| 0,8 mm  | 0,8 mm  |  |  |
| 30 V AC/DC  | 30 V AC/DC  |  |  |
| 2 A   | 2 A   |  |  |
| ≤ 10 mΩ   | ≤ 10 mΩ   |  |  |
| Lock nut M12 x 1  | Lock nut M12 x 1  |  |  |
| min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   |  |  |
| CuSn gold plated  | CuSn gold plated  |  |  |
| PA6 black   | PA6 black   |  |  |
| TPU   | TPU   |  |  |
| CuZn Nikel plated   | CuZn Nikel plated   |  |  |
| Viton   | Viton   |  |  |
| IP 67   | IP 67   |  |  |
| 3   | 3   |  |  |
| HB  | HB  |  |  |
| HB  | HB  |  |  |
| 100 pieces  | 100 pieces  |  |  |
| <b>EG2BW2S8U25200</b>   | <b>EW2BW2S8U25200</b>   |  |  |
| <b>EG2BW2S8U25100</b>   | <b>EW2BW2S8U25100</b>   |  |  |
| 10...12 Kg  | 10...12 Kg  |  |  |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |  |  |

M12 / M12 Extension - 8 Poles



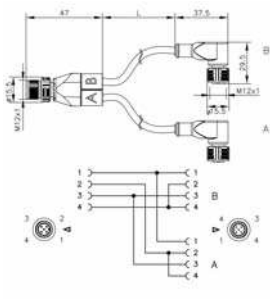
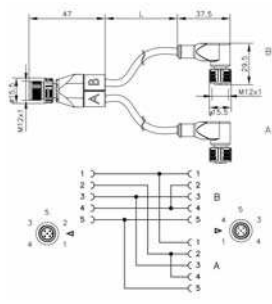
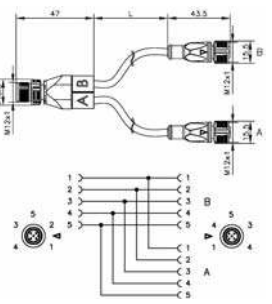
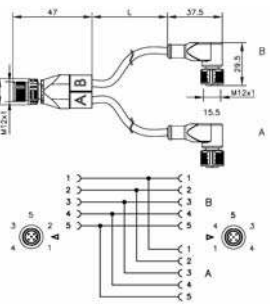
| <b>Product description</b>   |                      |   |   |
|--|----------------------|---|---|
| Standard   |                      | IEC 61076-2-101   | IEC 61076-2-101   |
| Construction type  |                      | D - LM and LF style   | D - LM and LF style   |
| Description  |                      | Non-rewireable connector, with M12 locking nut, single straight male and double straight female version | Non-rewireable connector, with M12 locking nut, single straight male and double straight female version |
| Housing colour   |                      | black   | black   |
| Number of contacts   |                      | 4   | 5   |
| Cable type   |                      | PUR LiY11Y  | PUR LiY11Y  |
| Conductor specification  |                      | 0,34 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |
| Cable length   |                      | 1 m   | 1 m   |
| Order no.  |                      | <b>Y2DD2B4P34100</b>  | <b>Y2DD2B5P25100</b>  |
| Other standard options   | cable length 0,6m    | order no. <b>Y2DD2B4P34060</b>  | order no. <b>Y2DD2B5P25060</b>  |
| Cable jacket colour  |                      | black   | black   |
| Cable diameter +/-5%   |                      | 5,0 mm  | 5,0 mm  |
| Temperature range  | static application   | -40°C to + 80°C   | -40°C to + 80°C   |
|  | flexible application | -25°C to + 80°C   | -25°C to + 80°C   |
| <b>Drawing</b>   |                      | <p>▷ Code A</p>   | <p>▷ Code A</p>   |
| <b>Technical data</b>  |                      |   |   |
| Pin dimension  |                      | 1 mm  | 1 mm  |
| Rated voltage max.   |                      | 60 V AC/DC  | 60 V AC/DC  |
| Rated current max.   |                      | 4 A   | 4 A   |
| Contact resistance   |                      | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Overvoltage category   |                      | III   | III   |
| Mounting   |                      | lock nut M12 x 1  | lock nut M12 x 1  |
| Fixing screw torque  |                      | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   |
| <b>Material</b>  |                      |   |   |
| Contact material   |                      | CuSn gold plated  | CuSn gold plated  |
| Contact holder material  |                      | PA6T / 61 GF blue   | PA6T / 61 GF blue   |
| Overmoulding material  |                      | TPU   | TPU   |
| Coupling nut material  |                      | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   |
| <b>Environmental conditions</b>                                      |                      |   |   |
| Protection class (EN 60529)  |                      | IP67  | IP67  |
| Pollution severity (EN 60664-1)                                      |                      | 3   | 3   |
| <b>Inflammability class</b>  |                      |   |   |
| Contact holder material  |                      | HB  | HB  |
| Moulded housing  |                      | HB  | HB  |
| <b>Packaging</b>   |                      |   |   |
| Minimum quantity   |                      | 100 pieces  | 100 pieces  |
| Number of boxes suitable:  | 1 box                | <b>Y2DD2B4P34100</b>  | <b>Y2DD2B5P25100</b>  |
|  | 1 box                | <b>Y2DD2B4P34060</b>  | <b>Y2DD2B5P25060</b>  |
| Approximate weight per box   |                      | 10...12 Kg  | 10...12 Kg  |
| Box dimension  |                      | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Notes</b>   |                      |   |   |
| Technical specifications on cables and accessories see pages 171-175 |                      |   |   |

## Splitter Extension Y series

MOULDED IN CABLE



M12 / M12 Extension

|   |   |   |   |
|---|---|---|---|
| IEC 61076-2-101   | IEC 61076-2-101   | IEC 61076-2-101   | IEC 61076-2-101   |
| D - LM and MF style   | D - LM and MF style   | D - LM and LF style   | D - LM and MF style   |
| Non-rewireable connector, with M12 locking nut, single straight male and double right angled female version | Non-rewireable connector, with M12 locking nut, single straight male and double right angled female version | Non-rewireable connector, with M12 locking nut, single straight male and double straight female version | Non-rewireable connector, with M12 locking nut, single straight male and double right angled female version |
| black   | black   | black   | black   |
| 4   | 5   | 5   | 5   |
| PUR LiY11Y  | PUR LiY11Y  | PUR LiY11Y  | PUR LiY11Y  |
| 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |
| 1 m   | 1 m   | 1 m   | 1 m   |
| <b>Y2DK2B4P34100</b>  | <b>Y2DK2B5P25100</b>  | <b>Y2DD2BAP25100</b>  | <b>Y2DK2BAP25100</b>  |
| order no. <b>Y2DK2B4P34060</b>  | order no. <b>Y2DK2B5P25060</b>  | order no. <b>Y2DD2BAP25060</b>  | order no. <b>Y2DK2BAP25060</b>  |
| black   | black   | black   | black   |
| 5,0 mm  | 5,0 mm  | 5,0 mm  | 5,0 mm  |
| -40°C to + 80°C   | -40°C to + 80°C   | -40°C to + 80°C   | -40°C to + 80°C   |
| -25°C to + 80°C   | -25°C to + 80°C   | -25°C to + 80°C   | -25°C to + 80°C   |
|                          |                          |                     |                        |
| ▷ Code A  | ▷ Code A  | ▷ Code A  | ▷ Code A  |
| 1 mm  | 1 mm  | 1 mm  | 1 mm  |
| 60 V AC/DC  | 60 V AC/DC  | 60 V AC/DC  | 60 V AC/DC  |
| 4 A   | 4 A   | 4 A   | 4 A   |
| ≤ 10 mΩ   | ≤ 10 mΩ   | ≤ 10 mΩ   | ≤ 10 mΩ   |
| III   | III   | III   | III   |
| lock nut M12 x 1  | lock nut M12 x 1  | lock nut M12 x 1  | lock nut M12 x 1  |
| min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   |
| CuSn gold plated  | CuSn gold plated  | CuSn gold plated  | CuSn gold plated  |
| PA6T / 61 GF blue   | PA6T / 61 GF blue   | PA6T / 61 GF blue   | PA6T / 61 GF blue   |
| TPU   | TPU   | TPU   | TPU   |
| Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   | Zamak 15 / ZnAl4Cu1   |
| IP67  | IP67  | IP67  | IP67  |
| 3   | 3   | 3   | 3   |
| HB  | HB  | HB  | HB  |
| HB  | HB  | HB  | HB  |
| 100 pieces  | 100 pieces  | 100 pieces  | 100 pieces  |
| <b>Y2DK2B4P34100</b>  | <b>Y2DK2B5P25100</b>  | <b>Y2DD2BAP25100</b>  | <b>Y2DK2BAP25100</b>  |
| <b>Y2DK2B4P34060</b>  | <b>Y2DK2B5P25060</b>  | <b>Y2DD2BAP25060</b>  | <b>Y2DK2BAP25060</b>  |
| 10...12 Kg  | 10...12 Kg  | 10...12 Kg  | 10...12 Kg  |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |



| <b>Product description</b>   |  |  |                  |
|--|--|--|------------------|
| Standard   | IEC 61076-2-101  | IEC 61076-2-101  |                  |
| Construction type  | D Style JF   | D Style JF   |                  |
| Description  | Rewireable connector, straight version with locking nut, female contacts | Rewireable connector, straight version with locking nut, female contacts |                  |
| Housing colour   | black  | black  |                  |
| Type of contact  | female   | female   |                  |
| Number of contacts   | 4  | 5  |                  |
| Cable gland  | PG7  | PG7  |                  |
| Conductor size   | max. 0,75 mm <sup>2</sup>  | max. 0,75 mm <sup>2</sup>  |                  |
| Order no.  | <b>FGA12B4-7</b>   | <b>FGA12B5-7</b>   |                  |
| Cable diameter   | 4 - 6 mm   | 4 - 6 mm   |                  |
| Temperature range  | -25°C to + 90°C static   | -25°C to + 90°C static   |                  |
| <b>Drawing</b>   |  |  |                  |
|  | <p>▷ Code A</p>  | <p>▷ Code A</p>  |                  |
| <b>Technical data</b>  |  |  |                  |
| Pin dimension  | 1 mm   | 1 mm   |                  |
| Rated voltage max.   | 250 V AC/DC  | 50 V AC/DC   |                  |
| Rated current max.   | 4 A  | 4 A  |                  |
| Contact resistance   | ≤ 10 mΩ  | ≤ 10 mΩ  |                  |
| Mounting   | Lock nut M12 x 1   | Lock nut M12 x 1   |                  |
| Fixing screw torque  | min. 0,5; max. 0,8 N/m   | min. 0,5; max. 0,8 N/m   |                  |
| <b>Material</b>  |  |  |                  |
| Contact material   | CuZn   | CuZn   |                  |
| Contact holder material  | PA   | PA   |                  |
| Housing material   | PA   | PA   |                  |
| Coupling nut material  | Zn AL/NI   | Zn AL/NI   |                  |
| <b>Environmental conditions</b>                                      |  |  |                  |
| Protection class (EN 60529)  | IP 67  | IP 67  |                  |
| Pollution severity (EN 60664-1)                                      | 3  | 3  |                  |
| <b>Inflammability class</b>  |  |  |                  |
| Contact holder material  | 94 V-2   | 94 V-2   |                  |
| Housing material   | 94 V-2   | 94 V-2   |                  |
| <b>Packaging</b>   |  |  |                  |
| Minimum quantity   | 100 pieces   | 100 pieces   |                  |
| Number of boxes suitable :   | 2 boxes  | <b>FGA12B4-7</b>   | <b>FGA12B5-7</b> |
| Approximate weight per box   | 3 Kg   | 3 Kg   |                  |
| Box dimension  | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |                  |
| <b>Notes</b>   |  |  |                  |
| Technical specifications on cables and accessories see pages 171-175 |  |  |                  |



## Circular Connectors FGA series

SELF - ASSEMBLY CABLE



# M12 Cable Entry

|  |  |  |  |
|--|--|--|--|
| IEC 61076-2-101  | IEC 61076-2-101  | IEC 61076-2-101  |  |
| D Style JM   | D Style JM   | D Style JM   |  |
| Rewireable connector, straight version with locking nut, male contacts | Rewireable connector, straight version with locking nut, male contacts | Rewireable connector, straight version with locking nut, male contacts, double cable entry |  |
| black  | black  | black  |  |
| male   | male   | male   |  |
| 4  | 5  | 5  |  |
| PG7  | PG7  | M16x1,5  |  |
| max. 0,75 mm <sup>2</sup>  | max. 0,75 mm <sup>2</sup>  | max. 0,75 mm <sup>2</sup>  |  |
| <b>FGA12S4-7</b>   | <b>FGA12S5-7</b>   | <b>FGA12S5-DUO</b>   |  |
| 4 - 6 mm   | 4 - 6 mm   | (2,1 - 3 mm) ;<br>(4 - 5 mm) with appropriate grommet                                      |  |
| -25°C to + 90°C static   | -25°C to + 90°C static   | -25°C to + 90°C static   |  |
| <p>▷ Code A</p>  | <p>▷ Code A</p>  | <p>▷ Code A</p>  |  |
| 1 mm   | 1 mm   | 1 mm   |  |
| 250 V AC/DC  | 50 V AC/DC   | 50 V AC/DC   |  |
| 4 A  | 4 A  | 4 A  |  |
| ≤ 10 mΩ  | ≤ 10 mΩ  | ≤ 10 mΩ  |  |
| Lock nut M12 x 1<br>min. 0,5; max. 0,8 N/m                             | Lock nut M12 x 1<br>min. 0,5; max. 0,8 N/m                             | Lock nut M12 x 1<br>min. 0,5; max. 0,8 N/m   |  |
| CuZn   | CuZn   | CuZn   |  |
| PA   | PA   | PA 66  |  |
| PA   | PA   | PA 66  |  |
| Zn AL/NI   | Zn AL/NI   | Zn AL/NI   |  |
| IP 67  | IP 67  | IP 67  |  |
| 3  | 3  | 3  |  |
| 94 V-2   | 94 V-2   | UL 94 HB   |  |
| 94 V-2   | 94 V-2   | UL 94 HB   |  |
| 100 pieces   | 100 pieces   | 100 pieces   |  |
| <b>FGA12S4-7</b>   | <b>FGA12S5-7</b>   | <b>FGA12S5-DUO</b>   |  |
| 3 Kg   | 3 Kg   | 3 Kg   |  |
| 29 x 15 x 18 cm  | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |  |



| <b>Product description</b>   |  |  |                  |
|--|--|--|------------------|
| Standard   | IEC 61076-2-101  | IEC 61076-2-101  |                  |
| Construction type  | D Style KF   | D Style KF   |                  |
| Description  | Rewireable connector, right angled version with locking nut, female contacts | Rewireable connector, right angled version with locking nut, female contacts |                  |
| Housing colour   | black  | black  |                  |
| Type of contact  | female   | female   |                  |
| Number of contact  | 4  | 5  |                  |
| Cable gland  | PG7  | PG7  |                  |
| Conductor size   | max. 0,75 mm <sup>2</sup>  | max. 0,75 mm <sup>2</sup>  |                  |
| Order no.  | <b>FWA12B4-7</b>   | <b>FWA12B5-7</b>   |                  |
| Cable diameter   | 4 - 6 mm   | 4 - 6 mm   |                  |
| Temperature range  | -25°C to + 90°C  | -25°C to + 90°C  |                  |
| <b>Drawing</b>   |  |  |                  |
|  | > Code A   | > Code A   |                  |
| <b>Technical data</b>  |  |  |                  |
| Pin dimension  | 1 mm   | 1 mm   |                  |
| Rated voltage max.   | 250 V AC/DC  | 50 V AC/DC   |                  |
| Rated current max.   | 4 A  | 4 A  |                  |
| Contact resistance   | ≤ 10 mΩ  | ≤ 10 mΩ  |                  |
| Mounting   | Lock nut M12 x 1   | Lock nut M12 x 1   |                  |
| Fixing screw torque  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |                  |
| <b>Material</b>  |  |  |                  |
| Contact material   | CuZn   | CuZn   |                  |
| Contact holder material  | PA   | PA   |                  |
| Housing material   | PA   | PA   |                  |
| Coupling nut material  | Zn AL/NI   | Zn AL/NI   |                  |
| <b>Environmental conditions</b>                                      |  |  |                  |
| Protection class (EN 60529)  | IP 67  | IP 67  |                  |
| Pollution severity (EN 60664-1)                                      | 3  | 3  |                  |
| <b>Inflammability class</b>  |  |  |                  |
| Contact holder material  | 94 V-2   | 94 V-2   |                  |
| Housing material   | 94 V-2   | 94 V-2   |                  |
| <b>Packaging</b>   |  |  |                  |
| Minimum quantity   | 100 pieces   | 100 pieces   |                  |
| Number of boxes suitable :   | 2 boxes  | <b>FWA12B4-7</b>   | <b>FWA12B5-7</b> |
| Approximate weight per box   | 3 Kg   | 3 Kg   |                  |
| Box dimension  | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |                  |
| <b>Notes</b>   |  |  |                  |
| Technical specifications on cables and accessories see pages 171-175 |  |  |                  |



|  |  |  |  |
|--|--|--|--|
| IEC 61076-2-101  | IEC 61076-2-101  |  |  |
| D Style KM   | D Style KM   |  |  |
| Rewireable connector, right angled version with locking nut, male contacts | Rewireable connector, right angled version with locking nut, male contacts |  |  |
| black  | black  |  |  |
| male   | male   |  |  |
| 4  | 5  |  |  |
| PG7  | PG7  |  |  |
| max. 0,75 mm <sup>2</sup>  | max. 0,75 mm <sup>2</sup>  |  |  |
| <b>FWA12S4-7</b>   | <b>FWA12S5-7</b>   |  |  |
| 4 - 6 mm   | 4 - 6 mm   |  |  |
| -25°C to + 90°C  | -25°C to + 90°C  |  |  |
|  |  |  |  |
| ▷ Code A   | ▷ Code A   |  |  |
| 1 mm   | 1 mm   |  |  |
| 250 V AC/DC  | 50 V AC/DC   |  |  |
| 4 A  | 4 A  |  |  |
| ≤ 10 mΩ  | ≤ 10 mΩ  |  |  |
| Lock nut M12 x 1   | Lock nut M12 x 1   |  |  |
| min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |  |  |
| CuZn   | CuZn   |  |  |
| PA   | PA   |  |  |
| PA   | PA   |  |  |
| Zn AL/NI   | Zn AL/NI   |  |  |
| IP 67  | IP 67  |  |  |
| 3  | 3  |  |  |
| 94 V-2   | 94 V-2   |  |  |
| 94 V-2   | 94 V-2   |  |  |
| 100 pieces   | 100 pieces   |  |  |
| <b>FWA12S4-7</b>   | <b>FWA12S5-7</b>   |  |  |
| 3 Kg   | 3 Kg   |  |  |
| 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |  |  |



| <b>Product description</b>   |                     | IEC 61076-2-101   | IEC 61076-2-101   |
|--|---------------------|---|---|
| Standard   |                     | IEC 61076-2-101   | IEC 61076-2-101   |
| Construction type  |                     | D Style EM  | D Style EM  |
| Description  |                     | Fixed connector, with wire ends single hole front mounting, male contacts | Fixed connector, with wire ends single hole front mounting, male contacts |
| Housing colour   |                     | silver  | silver  |
| Type of contact  |                     | male  | male  |
| Number of contacts   |                     | 4   | 5   |
| Fixation thread  |                     | M16   | M16   |
| Conductor type   |                     | PVC   | PVC   |
| Conductor specification  |                     | 0,34 mm <sup>2</sup>  | 0,34 mm <sup>2</sup>  |
| Conductor length   |                     | 0,50 m  | 0,50 m  |
| Order no.  |                     | <b>RB12416U34050</b>  | <b>RB12516U34050</b>  |
| Other options on request   | PG9 fixation thread | ord.number <b>RB12409U34050</b>   | ord.number <b>RB12509U34050</b>   |
| Conductor colours  |                     | brown - white - blue - black  | brown - black - grey - blue - white                                       |
| Temperature range  | static application  | -25°C to + 70°C   | -25°C to + 70°C   |
| <b>Drawing</b>   |                     | <p>▷ Code A</p>   | <p>▷ Code A</p>   |
| <b>Technical data</b>  |                     |   |   |
| Pin dimension  |                     | 1 mm  | 1 mm  |
| Rated voltage max.   |                     | 250 V AC/DC   | 60 V AC/DC  |
| Rated current max.   |                     | 4 A   | 4 A   |
| Contact resistance   |                     | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Mounting   |                     | Positionable nut (not included)   | Positionable nut (not included)   |
| Fixing screw torque  |                     | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   |
| <b>Material</b>  |                     |   |   |
| Contact material   |                     | CuZn  | CuZn  |
| Contact holder material  |                     | PA  | PA  |
| Housing material   |                     | Cu Zn / Ni  | Cu Zn / Ni  |
| <b>Environmental conditions</b>                                      |                     |   |   |
| Protection class (EN 60529)  |                     | IP 67   | IP 67   |
| Pollution severity (EN 60664-1)                                      |                     | 3   | 3   |
| Inflammability class   |                     |   |   |
| Contact holder material  |                     | 94 V-2  | 94 V-2  |
| <b>Packaging</b>   |                     |   |   |
| Minimum quantity   |                     | 100 pieces  | 100 pieces  |
| Number of boxes suitable:  | 1 box               | <b>RB12416U34050</b>  | <b>RB12516U34050</b>  |
|  | 1 box               | <b>RB12409U34050</b>  | <b>RB12509U34050</b>  |
| Approximate weight per box   |                     | 3 Kg  | 3 Kg  |
| Box dimension  |                     | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |
| <b>Notes</b>   |                     |   |   |
| Technical specifications on cables and accessories see pages 171-175 |                     |   |   |

## Circular Connectors R series

MOULDED IN CABLE

M12 Receptacles



|   |   |   |   |
|---|---|---|---|
| IEC 61076-2-101   | IEC 61076-2-101   | IEC 61076-2-101   | IEC 61076-2-101   |
| D Style EM  | D Style GM  | D Style GM  | D Style GM  |
| Fixed connector, with wire ends single hole front mounting, male contacts | Fixed connector, with wire ends single hole rear mounting keyway orientation, male contacts | Fixed connector, with wire ends single hole rear mounting keyway orientation, male contacts | Fixed connector, with wire ends single hole rear mounting keyway orientation, male contacts |
| silver  | silver  | silver  | silver  |
| male  | male  | male  | male  |
| 8   | 4   | 5   | 8   |
| M16   | M16   | M16   | M16   |
| PVC   | PVC   | PVC   | PVC   |
| 0,25 mm <sup>2</sup>  | 0,34 mm <sup>2</sup>  | 0,34 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |
| 0,50 m  | 0,50 m  | 0,50 m  | 0,50 m  |
| <b>RB12816V25050</b>  | <b>RG12416U34050</b>  | <b>RG12516U34050</b>  | <b>RG12816V25050</b>  |
|   | ord.number <b>RG12409U34050</b>   | ord.number <b>RG12509U34050</b>   |   |
| white - brown - green - yellow<br>grey - pink - blue - red                | brown - white - blue - black  | brown - black - grey - blue - white   | white - brown - green - yellow<br>grey - pink - blue - red                                  |
| -25°C to + 70°C   | -25°C to + 70°C   | -25°C to + 70°C   | -25°C to + 70°C   |
| <p>Code A</p>   | <p>Code A</p>   | <p>Code A</p>   | <p>Code A</p>   |
| 0,8 mm  | 1 mm  | 1 mm  | 0,8 mm  |
| 30 V AC/DC  | 250 V AC/DC   | 60 V AC/DC  | 30 V AC/DC  |
| 2 A   | 4 A   | 4 A   | 2 A   |
| ≤ 10 mΩ   | ≤ 10 mΩ   | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Positionable nut (not included)<br>min. 0,5 ; max. 0,8 N/m                | Positionable nut<br>min. 0,5 ; max. 0,8 N/m   | Positionable nut<br>min. 0,5 ; max. 0,8 N/m   | Positionable nut<br>min. 0,5 ; max. 0,8 N/m   |
| CuZn  | CuZn  | CuZn  | CuZn  |
| PA  | PA  | PA  | PA  |
| Cu Zn / Ni  | Cu Zn / Ni  | Cu Zn / Ni  | Cu Zn / Ni  |
| IP 67   | IP 67   | IP 67   | IP 67   |
| 3   | 3   | 3   | 3   |
| 94 V-2  | 94 V-2  | 94 V-2  | 94 V-2  |
| 100 pieces  | 100 pieces  | 100 pieces  | 100 pieces  |
| <b>RB12816V25050</b>  | <b>RG12416U34050</b>  | <b>RG12516U34050</b>  | <b>RG12816V25050</b>  |
|   | <b>RG12409U34050</b>  | <b>RG12509U34050</b>  |   |
| 3 Kg  | 3 Kg  | 3 Kg  | 3 Kg  |
| 29 x 15 x 18 cm   | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |



| <b>Product description</b>   |                     |   |   |
|--|---------------------|---|---|
| Standard   |                     | IEC 61076-2-101   | IEC 61076-2-101   |
| Construction type  |                     | D Style EF  | D Style EF  |
| Description  |                     | Fixed connector, with wire ends<br>single hole front mounting,<br>female contacts | Fixed connector, with wire ends<br>single hole front mounting,<br>female contacts |
| Housing colour   |                     | silver  | silver  |
| Type of contact  |                     | female  | female  |
| Number of contacts   |                     | 4   | 5   |
| Fixation thread  |                     | M16   | M16   |
| Conductor type   |                     | PVC   | PVC   |
| Conductor specification  |                     | 0,34 mm <sup>2</sup>  | 0,34 mm <sup>2</sup>  |
| Conductor length   |                     | 0,50 m  | 0,50 m  |
| Order no.  |                     | <b>RA12416U34050</b>  | <b>RA12516U34050</b>  |
| Other options on request   | PG9 fixation thread | ord.number <b>RA12409U34050</b>   | ord.number <b>RA12509U34050</b>   |
| Conductor colours  |                     | brown - white - blue - black  | brown - black - grey - blue - white   |
| Temperature range  | static application  | -25°C to + 70°C   | -25°C to + 70°C   |
| <b>Drawing</b>   |                     | <p>&gt; Code A</p>  | <p>&gt; Code A</p>  |
| <b>Technical data</b>  |                     |   |   |
| Pin dimension  |                     | 1 mm  | 1 mm  |
| Rated voltage max.   |                     | 250 V AC/DC   | 60 V AC/DC  |
| Rated current max.   |                     | 4 A   | 4 A   |
| Contact resistance   |                     | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Mounting   |                     | Positionable nut (not included)   | Positionable nut (not included)   |
| Fixing screw torque  |                     | min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m   |
| <b>Material</b>  |                     |   |   |
| Contact material   |                     | CuZn  | CuZn  |
| Contact holder material  |                     | PA  | PA  |
| Housing material   |                     | Cu Zn / Ni  | Cu Zn / Ni  |
| <b>Environmental conditions</b>                                      |                     |   |   |
| Protection class (EN 60529)  |                     | IP 67   | IP 67   |
| Pollution severity (EN 60664-1)                                      |                     | 3   | 3   |
| <b>Inflammability class</b>  |                     |   |   |
| Contact holder material  |                     | 94 V-2  | 94 V-2  |
| <b>Packaging</b>   |                     |   |   |
| Minimum quantity   |                     | 100 pieces  | 100 pieces  |
| Number of boxes suitable :   | 1 box               | <b>RA12416U34050</b>  | <b>RA12516U34050</b>  |
|  | 1 box               | <b>RA12409U34050</b>  | <b>RA12509U34050</b>  |
| Approximate weight per box   |                     | 3 Kg  | 3 Kg  |
| Box dimension  |                     | 29 x 15 x 18 cm   | 29 x 15 x 18 cm   |
| <b>Notes</b>   |                     |   |   |
| Technical specifications on cables and accessories see pages 171-175 |                     |   |   |

## Circular Connectors R series

MOULDED IN CABLE



M12 Receptacles












|   |  |  |  |
|---|--|--|--|
| IEC 61076-2-101   | IEC 61076-2-101  | IEC 61076-2-101  | IEC 61076-2-101  |
| D Style EF  | D Style GF   | D Style GF   | D Style GF   |
| Fixed connector, with wire ends single hole front mounting, female contacts | Fixed connector, with wire ends single hole rear mounting keyway orientation, female contacts, | Fixed connector, with wire ends single hole rear mounting, keyway orientation, female contacts | Fixed connector, with wire ends single hole rear mounting, keyway orientation, female contacts |
| female  | female   | female   | female   |
| 8   | 4  | 5  | 8  |
| M16   | M16  | M16  | M16  |
| PVC   | PVC  | PVC  | PVC  |
| 0,25 mm <sup>2</sup>  | 0,34 mm <sup>2</sup>   | 0,34 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   |
| 0,50 m  | 0,50 m   | 0,50 m   | 0,50 m   |
| <b>RA12816V25050</b>  | <b>RD12416U34050</b>   | <b>RD12516U34050</b>   | <b>RD12816V25050</b>   |
| white - brown - green - yellow - grey - pink - blue - red                   | ord.number <b>RD12409U34050</b><br>brown - white - blue - black                                | ord.number <b>RD12509U34050</b><br>brown - black - grey - blue - white                         | white - brown - green - yellow - grey - pink - blue - red                                      |
| -25°C to + 70°C   | -25°C to + 70°C  | -25°C to + 70°C  | -25°C to + 70°C  |
| <p>Code A</p>   | <p>Code A</p>  | <p>Code A</p>  | <p>Code A</p>  |
| 0,8 mm  | 1 mm   | 1 mm   | 0,8 mm   |
| 30 V AC/DC  | 250 V AC/DC  | 60 V AC/DC   | 30 V AC/DC   |
| 2 A   | 4 A  | 4 A  | 2 A  |
| ≤ 10 mΩ   | ≤ 10 mΩ  | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Positionable nut (not included)   | Positionable nut   | Positionable nut   | Positionable nut   |
| min. 0,5 ; max. 0,8 N/m   | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  | min. 0,5 ; max. 0,8 N/m  |
| CuZn  | CuZn   | CuZn   | CuZn   |
| PA  | PA   | PA   | PA   |
| Cu Zn / Ni  | Cu Zn / Ni   | Cu Zn / Ni   | Cu Zn / Ni   |
| IP 67   | IP 67  | IP 67  | IP 67  |
| 3   | 3  | 3  | 3  |
| 94 V-2  | 94 V-2   | 94 V-2   | 94 V-2   |
| 100 pieces  | 100 pieces   | 100 pieces   | 100 pieces   |
| <b>RA12816V25050</b>  | <b>RD12416U34050</b><br><b>RD12409U34050</b>   | <b>RD12516U34050</b><br><b>RD12509U34050</b>   | <b>RD12816V25050</b>   |
| 3 Kg  | 3 Kg   | 3 Kg   | 3 Kg   |
| 29 x 15 x 18 cm   | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  | 29 x 15 x 18 cm  |





## Circular Connectors

M8-M12 CONNECTORS

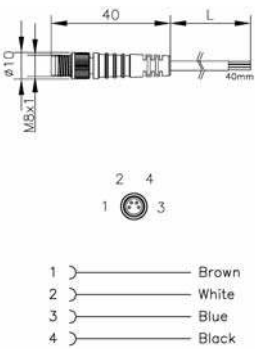
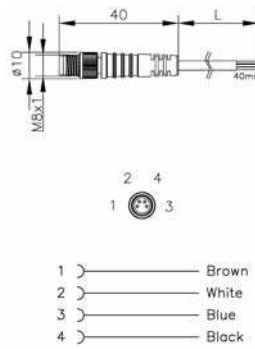
| DESCRIPTION  | PAG   |
|--|---|
| <b>SERIES: AG08S</b>        | M8 straight male with moulded cable free end..... 156     |
| <b>SERIES: AW08S</b>        | M8 angled male with moulded cable free end..... 158       |
| <b>SERIES: AG08B</b>        | M8 straight female with moulded cable free end..... 160   |
| <b>SERIES: AW08B</b>        | M8 angled female with moulded cable free end..... 162     |
| <b>SERIES: EG8BD2</b>     | M12 straight male to M8 straight female ..... 164         |
| <b>SERIES: EG8BK2</b>     | M12 angled male to M8 straight female..... 165            |
| <b>SERIES: EW8BD2</b>     | M12 straight male to M8 angled female..... 166            |
| <b>SERIES: EW8BK2</b>     | M12 angled male to M8 angled female ..... 167             |
| <b>SERIES: YG8 - YW8</b>  | Y M12 distributor straight male to M8 female .....165-166 |
| <b>SERIES: EG8BG8</b>     | M8 straight male to M8 straight female ..... 168          |
| <b>SERIES: EW8BG8</b>     | M8 straight male to M8 angled female..... 169             |



M8 Straight Male

| <b>Product description</b>   |  | IEC 61076-2-101   | IEC 61076-2-101   |
|--|--|---|---|
| Standard   |  | IEC 61076-2-101   | IEC 61076-2-101   |
| Construction type  |  | E Style LM  | E Style LM  |
| Description  |  | Non-rewireable connector, straight version with M8 locking nut, male contacts | Non-rewireable connector, straight version with M8 locking nut, male contacts |
| Housing colour   |  | black   | black   |
| Type of contact  |  | male  | male  |
| Number of contacts   |  | 3   | 3   |
| Cable type   |  | PVC CEI 2022 II O.R.  | PUR   |
| Conductors specification   |  | 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |
| Cable length   |  | 2 m   | 2 m   |
| Order no.  |  | <b>AG08S3C25200</b>   | <b>AG08S3P25200</b>   |
| Other standard options   | cable length 5m<br>cable length 10m        | order no. <b>AG08S3C25500</b><br>order no. <b>AG08S3C2510X</b>                | order no. <b>AG08S3P25500</b><br>order no. <b>AG08S3P2510X</b>                |
| Cable jacket colour  |  | grey RAL7035  | black   |
| Conductor colours  |  | brown - blue - black  | brown - blue - black  |
| Cable diameter +/-5%   |  | 5,0 mm  | 5,0 mm  |
| Temperature range  | static application<br>flexible application | -25°C to + 70°C   | -40°C to + 80°C   |
| <b>Drawing</b>   |  |   |   |
| <b>Technical data</b>  |  |   |   |
| Pin dimension  |  | 1 mm  | 1 mm  |
| Rated voltage max.   |  | 60 V AC/DC  | 60 V AC/DC  |
| Rated current max.   |  | 3 A   | 3 A   |
| Contact resistance   |  | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Mounting   |  | Lock nut M8 x 1   | Lock nut M8 x 1   |
| Fixing screw torque  |  | min. 0,3 ; max. 0,5 N/m   | min. 0,3 ; max. 0,5 N/m   |
| <b>Material</b>  |  |   |   |
| Contact material   |  | CuSn gold plated  | CuSn gold plated  |
| Contact holder material  |  | PA6   | PA6   |
| Housing material   |  | TPU   | TPU   |
| Coupling nut material  |  | CuZn Nickel plated  | CuZn Nickel plated  |
| <b>Environmental conditions</b>                                      |  |   |   |
| Protection class (EN 60529)  |  | IP 67   | IP 67   |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3   |
| <b>Inflammability class</b>  |  |   |   |
| Contact holder material  |  | HB  | HB  |
| Housing material   |  | HB  | HB  |
| <b>Packaging</b>   |  |   |   |
| Minimum quantity   |  | 100 pieces  | 100 pieces  |
| Number of boxes suitable :   | 2 boxes                                    | <b>AG08S3C25200</b>   | <b>AG08S3P25200</b>   |
|  | 2 boxes                                    | <b>AG08S3C25500</b>   | <b>AG08S3P25500</b>   |
|  | 4 boxes                                    | <b>AG08S3C2510X</b>   | <b>AG08S3P2510X</b>   |
| Approximate weight per box   |  | 10...12 Kg  | 10...12 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Notes</b>   |  |   |   |
| Technical specifications on cables and accessories see pages 171-175 |  |   |   |



|   |   |  |  |
|---|---|--|--|
| IEC 61076-2-101   | IEC 61076-2-101   |  |  |
| E Style LM  | E Style LM  |  |  |
| Non-rewireable connector, straight version with M8 locking nut, male contacts       | Non-rewireable connector, straight version with M8 locking nut, male contacts       |  |  |
| black   | black   |  |  |
| male  | male  |  |  |
| 4   | 4   |  |  |
| PVC CEI 2022 II O.R.  | PUR   |  |  |
| 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |  |  |
| 2 m   | 2 m   |  |  |
| <b>AG08S4C25200</b>   | <b>AG08S4P25200</b>   |  |  |
| order no. <b>AG08S4C25500</b>   | order no. <b>AG08S4P25500</b>   |  |  |
| order no. <b>AG08S4C2510X</b>   | order no. <b>AG08S4P2510X</b>   |  |  |
| grey RAL7035  | black   |  |  |
| brown - white - blue - black  | brown - white - blue - black  |  |  |
| 5,0 mm  | 5,0 mm  |  |  |
| -25°C to + 70°C   | -40°C to + 80°C   |  |  |
|  |  |  |  |
| 1 mm  | 1 mm  |  |  |
| 30 V AC/DC  | 30 V AC/DC  |  |  |
| 3 A   | 3 A   |  |  |
| ≤ 10 mΩ   | ≤ 10 mΩ   |  |  |
| Lock nut M8 x 1   | Lock nut M8 x 1   |  |  |
| min. 0,3 ; max. 0,5 N/m   | min. 0,3 ; max. 0,5 N/m   |  |  |
| CuSn gold plated  | CuSn gold plated  |  |  |
| PA6   | PA6   |  |  |
| TPU   | TPU   |  |  |
| CuZn Nickel plated  | CuZn Nickel plated  |  |  |
| IP 67   | IP 67   |  |  |
| 3   | 3   |  |  |
| HB  | HB  |  |  |
| HB  | HB  |  |  |
| 100 pieces  | 100 pieces  |  |  |
| <b>AG08S4C25200</b>   | <b>AG08S4P25200</b>   |  |  |
| <b>AG08S4C25500</b>   | <b>AG08S4P25500</b>   |  |  |
| <b>AG08S4C2510X</b>   | <b>AG08S4P2510X</b>   |  |  |
| 10...12 Kg  | 10...12 Kg  |  |  |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |  |  |



## M8 Angled Male

| <b>Product description</b>   |                      |   |   |
|--|----------------------|---|---|
| Standard   |                      | IEC 61076-2-101   | IEC 61076-2-101   |
| Construction type  |                      | E Style MM  | E Style MM  |
| Description  |                      | Non-rewireable connector, angled version with M8 locking nut, male contacts | Non-rewireable connector, angled version with M8 locking nut, male contacts |
| Housing colour   |                      | black   | black   |
| Type of contact  |                      | male  | male  |
| Number of contacts   |                      | 3   | 3   |
| Cable type   |                      | PVC CEI 2022 II O.R.  | PUR   |
| Conductors specification   |                      | 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |
| Cable length   |                      | 2 m   | 2 m   |
| Order no.  |                      | <b>AW08S3C25200</b>   | <b>AW08S3P25200</b>   |
| Other standard options   | cable length 5m      | order no. <b>AW08S3C25500</b>   | order no. <b>AW08S3P25500</b>   |
|  | cable length 10m     | order no. <b>AW08S3C2510X</b>   | order no. <b>AW08S3P2510X</b>   |
|  |                      |   |   |
| Cable jacket colour  |                      | grey RAL7035  | black   |
| Conductor colours  |                      | brown - blue - black  | brown - blue - black  |
| Cable diameter +/-5%   |                      | 5,0 mm  | 5,0 mm  |
| Temperature range  | static application   | -25°C to + 70°C   | -40°C to + 80°C   |
|  | flexible application |   |   |
| <b>Drawing</b>   |                      |   |   |
|  |                      | <p>1 ——— Brown</p> <p>3 ——— Blue</p> <p>4 ——— Black</p>                     | <p>1 ——— Brown</p> <p>3 ——— Blue</p> <p>4 ——— Black</p>                     |
| <b>Technical data</b>  |                      |   |   |
| Pin dimension  |                      | 1 mm  | 1 mm  |
| Rated voltage max.   |                      | 60 V AC/DC  | 60 V AC/DC  |
| Rated current max.   |                      | 3 A   | 3 A   |
| Contact resistance   |                      | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Mounting   |                      | Lock nut M8 x 1   | Lock nut M8 x 1   |
| Fixing screw torque  |                      | min. 0,3 ; max. 0,5 N/m   | min. 0,3 ; max. 0,5 N/m   |
| <b>Material</b>  |                      |   |   |
| Contact material   |                      | CuSn gold plated  | CuSn gold plated  |
| Contact holder material  |                      | PA6   | PA6   |
| Housing material   |                      | TPU   | TPU   |
| Coupling nut material  |                      | CuZn Nickel plated  | CuZn Nickel plated  |
| <b>Environmental conditions</b>                                      |                      |   |   |
| Protection class (EN 60529)  |                      | IP 67   | IP 67   |
| Pollution severity (EN 60664-1)                                      |                      | 3   | 3   |
| <b>Inflammability class</b>  |                      |   |   |
| Contact holder material  |                      | HB  | HB  |
| Housing material   |                      | HB  | HB  |
| <b>Packaging</b>   |                      |   |   |
| Minimum quantity   |                      | 100 pieces  | 100 pieces  |
| Number of boxes suitable :   | 2 boxes              | <b>AW08S3C25200</b>   | <b>AW08S3P25200</b>   |
|  | 2 boxes              | <b>AW08S3C25500</b>   | <b>AW08S3P25500</b>   |
|  | 4 boxes              | <b>AW08S3C2510X</b>   | <b>AW08S3P2510X</b>   |
| Approximate weight per box   |                      | 10...12 Kg  | 10...12 Kg  |
| Box dimension  |                      | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Notes</b>   |                      |   |   |
| Technical specifications on cables and accessories see pages 171-175 |                      |   |   |



|  |  |  |  |
|--|--|--|--|
| IEC 61076-2-101  | IEC 61076-2-101  |  |  |
| E Style MM   | E Style MM   |  |  |
| Non-rewireable connector, angled version with M8 locking nut , male contacts   | Non-rewireable connector, angled version with M8 locking nut , male contacts   |  |  |
| black  | black  |  |  |
| male   | male   |  |  |
| 4  | 4  |  |  |
| PVC CEI 2022 II O.R.   | PUR  |  |  |
| 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   |  |  |
| 2 m  | 2 m  |  |  |
| <b>AW08S4C25200</b>  | <b>AW08S4P25200</b>  |  |  |
| order no. <b>AW08S4C25500</b>  | order no. <b>AW08S4P25500</b>  |  |  |
| order no. <b>AW08S4C2510X</b>  | order no. <b>AW08S4P2510X</b>  |  |  |
| grey RAL7035   | black  |  |  |
| brown - white - blue - black   | brown - white - blue - black   |  |  |
| 5,0 mm   | 5,0 mm   |  |  |
| -25°C to + 70°C  | -40°C to + 80°C  |  |  |
| <p>             1 ) ———— Brown<br/>             2 ) ———— White<br/>             3 ) ———— Blue<br/>             4 ) ———— Black         </p> | <p>             1 ) ———— Brown<br/>             2 ) ———— White<br/>             3 ) ———— Blue<br/>             4 ) ———— Black         </p> |  |  |
| 1 mm   | 1 mm   |  |  |
| 30 V AC/DC   | 30 V AC/DC   |  |  |
| 3 A  | 3 A  |  |  |
| ≤ 10 mΩ  | ≤ 10 mΩ  |  |  |
| Lock nut M8 x 1  | Lock nut M8 x 1  |  |  |
| min. 0,3 ; max. 0,5 N/m  | min. 0,3 ; max. 0,5 N/m  |  |  |
| CuSn gold plated   | CuSn gold plated   |  |  |
| PA6  | PA6  |  |  |
| TPU  | TPU  |  |  |
| CuZn Nickel plated   | CuZn Nickel plated   |  |  |
| IP 67  | IP 67  |  |  |
| 3  | 3  |  |  |
| HB   | HB   |  |  |
| HB   | HB   |  |  |
| 100 pieces   | 100 pieces   |  |  |
| <b>AW08S4C25200</b>  | <b>AW08S4P25200</b>  |  |  |
| <b>AW08S4C25500</b>  | <b>AW08S4P25500</b>  |  |  |
| <b>AW08S4C2510X</b>  | <b>AW08S4P2510X</b>  |  |  |
| 10...12 Kg   | 10...12 Kg   |  |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |  |  |



| <b>Product description</b>   |  | IEC 61076-2-101   | IEC 61076-2-101   |
|--|--|---|---|
| Standard   |  | IEC 61076-2-101   | IEC 61076-2-101   |
| Construction type  |  | E Style LF  | E Style LF  |
| Description  |  | Non-rewireable connector, straight version with M8 locking nut, female contacts | Non-rewireable connector, straight version with M8 locking nut, female contacts |
| Housing colour   |  | black   | black   |
| Type of contact  |  | female  | female  |
| Number of contacts   |  | 3   | 3   |
| Cable type   |  | PVC CEI 2022 II O.R.  | PUR   |
| Conductors specification   |  | 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |
| Cable length   |  | 2 m   | 2 m   |
| Order no.  |  | <b>AG08B3C25200</b>   | <b>AG08B3P25200</b>   |
| Other standard options   | cable length 5m<br>cable length 10m        | order no. <b>AG08B3C25500</b><br>order no. <b>AG08B3C2510X</b>                  | order no. <b>AG08B3P25500</b><br>order no. <b>AG08B3P2510X</b>                  |
| Cable jacket colour  |  | grey RAL7035  | black   |
| Conductor colours  |  | brown - blue - black  | brown - blue - black  |
| Cable diameter +/-5%   |  | 5,0 mm  | 5,0 mm  |
| Temperature range  | static application<br>flexible application | -25°C to + 70°C   | -40°C to + 80°C   |
| <b>Drawing</b>   |  |   |   |
| <b>Technical data</b>  |  |   |   |
| Pin dimension  |  | 1 mm  | 1 mm  |
| Rated voltage max.   |  | 60 V AC/DC  | 60 V AC/DC  |
| Rated current max.   |  | 3 A   | 3 A   |
| Contact resistance   |  | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Mounting   |  | Lock nut M8 x 1   | Lock nut M8 x 1   |
| Fixing screw torque  |  | min. 0,3 ; max. 0,5 N/m   | min. 0,3 ; max. 0,5 N/m   |
| <b>Material</b>  |  |   |   |
| Contact material   |  | CuSn gold plated  | CuSn gold plated  |
| Contact holder material  |  | PA6   | PA6   |
| Housing material   |  | TPU   | TPU   |
| Coupling nut material  |  | CuZn Nickel plated  | CuZn Nickel plated  |
| O-Ring   |  | Viton   | Viton   |
| <b>Environmental conditions</b>                                      |  |   |   |
| Protection class (EN 60529)  |  | IP 67   | IP 67   |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3   |
| <b>Inflammability class</b>  |  |   |   |
| Contact holder material  |  | HB  | HB  |
| Housing material   |  | HB  | HB  |
| <b>Packaging</b>   |  |   |   |
| Minimum quantity   |  | 100 pieces  | 100 pieces  |
| Number of boxes suitable :   | 2 boxes                                    | <b>AG08B3C25200</b>   | <b>AG08B3P25200</b>   |
|  | 2 boxes                                    | <b>AG08B3C25500</b>   | <b>AG08B3P25500</b>   |
|  | 4 boxes                                    | <b>AG08B3C2510X</b>   | <b>AG08B3P2510X</b>   |
| Approximate weight per box   |  | 10...12 Kg  | 10...12 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Notes</b>   |  |   |   |
| Technical specifications on cables and accessories see pages 171-175 |  |   |   |



|  |  |  |  |
|--|--|--|--|
| IEC 61076-2-101  | IEC 61076-2-101  |  |  |
| E Style LF   | E Style LF   |  |  |
| Non-rewireable connector, straight version with M8 locking nut, female contacts  | Non-rewireable connector, straight version with M8 locking nut, female contacts  |  |  |
| black  | black  |  |  |
| female   | female   |  |  |
| 4  | 4  |  |  |
| PVC CEI 2022 II O.R.   | PUR  |  |  |
| 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   |  |  |
| 2 m  | 2 m  |  |  |
| <b>AG08B4C25200</b>  | <b>AG08B4P25200</b>  |  |  |
| order no. <b>AG08B4C25500</b>  | order no. <b>AG08B4P25500</b>  |  |  |
| order no. <b>AG08B4C2510X</b>  | order no. <b>AG08B4P2510X</b>  |  |  |
| grey RAL7035   | black  |  |  |
| brown - white - blue - black   | brown - white - blue - black   |  |  |
| 5,0 mm   | 5,0 mm   |  |  |
| -25°C to + 70°C  | -40°C to + 80°C  |  |  |
| <p>             1 ) ———— Brown<br/>             2 ) ———— White<br/>             3 ) ———— Blue<br/>             4 ) ———— Black         </p> | <p>             1 ) ———— Brown<br/>             2 ) ———— White<br/>             3 ) ———— Blue<br/>             4 ) ———— Black         </p> |  |  |
| 1 mm   | 1 mm   |  |  |
| 30 V AC/DC   | 30 V AC/DC   |  |  |
| 3 A  | 3 A  |  |  |
| ≤ 10 mΩ  | ≤ 10 mΩ  |  |  |
| Lock nut M8 x 1  | Lock nut M8 x 1  |  |  |
| min. 0,3 ; max. 0,5 N/m  | min. 0,3 ; max. 0,5 N/m  |  |  |
| CuSn gold plated   | CuSn gold plated   |  |  |
| PA6  | PA6  |  |  |
| TPU  | TPU  |  |  |
| CuZn Nickel plated   | CuZn Nickel plated   |  |  |
| Viton  | Viton  |  |  |
| IP 67  | IP 67  |  |  |
| 3  | 3  |  |  |
| HB   | HB   |  |  |
| HB   | HB   |  |  |
| 100 pieces   | 100 pieces   |  |  |
| <b>AG08B4C25200</b>  | <b>AG08B4P25200</b>  |  |  |
| <b>AG08B4C25500</b>  | <b>AG08B4P25500</b>  |  |  |
| <b>AG08B4C2510X</b>  | <b>AG08B4P2510X</b>  |  |  |
| 10...12 Kg   | 10...12 Kg   |  |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |  |  |



## M8 Angled Female

| <b>Product description</b>   |                      | IEC 61076-2-101   | IEC 61076-2-101   |
|--|----------------------|---|---|
| Standard   |                      | IEC 61076-2-101   | IEC 61076-2-101   |
| Construction type  |                      | E Style MF  | E Style MF  |
| Description  |                      | Non-rewireable connector, angled version with M8 locking nut, female contacts | Non-rewireable connector, angled version with M8 locking nut, female contacts |
| Housing colour   |                      | black   | black   |
| Type of contact  |                      | female  | female  |
| Number of contacts   |                      | 3   | 3   |
| Cable type   |                      | PVC CEI 2022 II O.R.  | PUR   |
| Conductors specification   |                      | 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |
| Cable length   |                      | 2 m   | 2 m   |
| Order no.  |                      | <b>AW08B3C25200</b>   | <b>AW08B3P25200</b>   |
| Other standard options   | cable length 5m      | order no. <b>AW08B3C25500</b>   | order no. <b>AW08B3P25500</b>   |
|  | cable length 10m     | order no. <b>AW08B3C2510X</b>   | order no. <b>AW08B3P2510X</b>   |
| Cable jacket colour  |                      | grey RAL7035  | black   |
| Conductor colours  |                      | brown - blue - black  | brown - blue - black  |
| Cable diameter +/-5%   |                      | 5,0 mm  | 5,0 mm  |
| Temperature range  | static application   | -25°C to + 70°C   | -40°C to + 80°C   |
|  | flexible application |   |   |
| <b>Drawing</b>   |                      |   |   |
| <b>Technical data</b>  |                      |   |   |
| Pin dimension  |                      | 1 mm  | 1 mm  |
| Rated voltage max.   |                      | 60 V AC/DC  | 60 V AC/DC  |
| Rated current max.   |                      | 3 A   | 3 A   |
| Contact resistance   |                      | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Mounting   |                      | Lock nut M8 x 1   | Lock nut M8 x 1   |
| Fixing screw torque  |                      | min. 0,3 ; max. 0,5 N/m   | min. 0,3 ; max. 0,5 N/m   |
| <b>Material</b>  |                      |   |   |
| Contact material   |                      | CuSn gold plated  | CuSn gold plated  |
| Contact holder material  |                      | PA6   | PA6   |
| Housing material   |                      | TPU   | TPU   |
| Coupling nut material  |                      | CuZn Nickel plated  | CuZn Nickel plated  |
| O-Ring   |                      | Viton   | Viton   |
| <b>Environmental conditions</b>                                      |                      |   |   |
| Protection class (EN 60529)  |                      | IP 67   | IP 67   |
| Pollution severity (EN 60664-1)                                      |                      | 3   | 3   |
| <b>Inflammability class</b>  |                      |   |   |
| Contact holder material  |                      | HB  | HB  |
| Housing material   |                      | HB  | HB  |
| <b>Packaging</b>   |                      |   |   |
| Minimum quantity   |                      | 100 pieces  | 100 pieces  |
| Number of boxes suitable:  | 2 boxes              | <b>AW08B3C25200</b>   | <b>AW08B3P25200</b>   |
|  | 2 boxes              | <b>AW08B3C25500</b>   | <b>AW08B3P25500</b>   |
|  | 4 boxes              | <b>AW08B3C2510X</b>   | <b>AW08B3P2510X</b>   |
| Approximate weight per box   |                      | 10...12 Kg  | 10...12 Kg  |
| Box dimension  |                      | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Notes</b>   |                      |   |   |
| Technical specifications on cables and accessories see pages 171-175 |                      |   |   |





|   |   |  |  |
|---|---|--|--|
| IEC 61076-2-101   | IEC 61076-2-101   |  |  |
| E Style MF  | E Style MF  |  |  |
| Non-rewireable connector, angled version with M8 locking nut, female contacts | Non-rewireable connector, angled version with M8 locking nut, female contacts |  |  |
| black   | black   |  |  |
| female  | female  |  |  |
| 4   | 4   |  |  |
| PVC CEI 2022 II O.R.  | PUR   |  |  |
| 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |  |  |
| 2 m   | 2 m   |  |  |
| <b>AW08B4C25200</b>   | <b>AW08B4P25200</b>   |  |  |
| order no. <b>AW08B4C25500</b>   | order no. <b>AW08B4P25500</b>   |  |  |
| order no. <b>AW08B4C2510X</b>   | order no. <b>AW08B4P2510X</b>   |  |  |
| grey RAL7035  | black   |  |  |
| brown - white - blue - black  | brown - white - blue - black  |  |  |
| 5,0 mm  | 5,0 mm  |  |  |
| -25°C to + 70°C   | -40°C to + 80°C   |  |  |
|   |   |  |  |
| 1 mm  | 1 mm  |  |  |
| 30 V AC/DC  | 30 V AC/DC  |  |  |
| 3 A   | 3 A   |  |  |
| ≤ 10 mΩ   | ≤ 10 mΩ   |  |  |
| Lock nut M8 x 1   | Lock nut M8 x 1   |  |  |
| min. 0,3 ; max. 0,5 N/m   | min. 0,3 ; max. 0,5 N/m   |  |  |
| CuSn gold plated  | CuSn gold plated  |  |  |
| PA6   | PA6   |  |  |
| TPU   | TPU   |  |  |
| CuZn Nickel plated  | CuZn Nickel plated  |  |  |
| Viton   | Viton   |  |  |
| IP 67   | IP 67   |  |  |
| 3   | 3   |  |  |
| HB  | HB  |  |  |
| HB  | HB  |  |  |
| 100 pieces  | 100 pieces  |  |  |
| <b>AW08B4C25200</b>   | <b>AW08B4P25200</b>   |  |  |
| <b>AW08B4C25500</b>   | <b>AW08B4P25500</b>   |  |  |
| <b>AW08B4C2510X</b>   | <b>AW08B4P2510X</b>   |  |  |
| 10...12 Kg  | 10...12 Kg  |  |  |
| 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |  |  |



M12 / M8 Extension

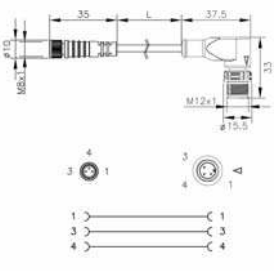
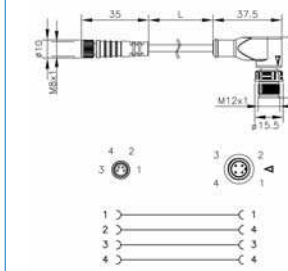
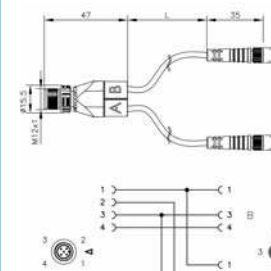
| <b>Product description</b>   |  |  |  |
|--|--|--|--|
| Standard   |  | IEC 61076-2-101  | IEC 61076-2-101  |
| Construction type  |  | D LM style<br>E LF style   | D LM style<br>E LF style   |
| Description  |  | Non-rewireable connector with straight locking nut male (M12) and female (M8) straight version | Non-rewireable connector with straight locking nut male (M12) and female (M8) straight version |
| Housing colour   |  | black  | black  |
| Type of contact  |  | male + female  | male + female  |
| Number of contacts   |  | 3  | 4  |
| Cable type   |  | PUR  | PUR  |
| Conductor specification  |  | 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   |
| Cable length   |  | 2 m  | 2 m  |
| Order no.  |  | <b>EG8BD2S3P25200</b>  | <b>EG8BD2S4P25200</b>  |
| Other standard options   | cable length 1,0m<br>cable length 0,6m     | order no. <b>EG8BD2S3P25100</b>  | order no. <b>EG8BD2S4P25100</b>  |
| Cable jacket colour  |  | black  | black  |
| Conductor colours  |  | brown - blue - black   | brown - white - blue - black   |
| Cable diameter +/-5%   |  | 5,0 mm   | 5,0 mm   |
| Temperature range  | static application<br>flexible application | -40°C to + 80°C  | -40°C to + 80°C  |
| <b>Drawing</b>   |  | <p>&gt; Code A</p>   | <p>&gt; Code A</p>   |
| <b>Technical data</b>  |  |  |  |
| Pin dimension  |  | 1 mm   | 1 mm   |
| Rated voltage max.   |  | 60 V AC/DC   | 30 V AC/DC   |
| Rated current max.   |  | 3 A  | 3 A  |
| Contact resistance   |  | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Mounting   |  | Lock nut M8 x 1 - M12 x 1  | Lock nut M8 x 1 - M12 x 1  |
| Fixing screw torque  |  | M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m   | M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m   |
| <b>Material</b>  |  |  |  |
| Contact material   |  | CuSn gold plated   | CuSn gold plated   |
| Contact holder material  |  | PA6 black - PA6T / 61 GF blue  | PA6 black - PA6T / 61 GF blue  |
| Housing material   |  | TPU  | TPU  |
| Coupling nut material  |  | CuZn Nickel plated<br>Zamak 15 / ZnAl4Cu1  | CuZn Nickel plated<br>Zamak 15 / ZnAl4Cu1  |
| O-Ring   |  | Viton  | Viton  |
| <b>Environmental conditions</b>                                      |  |  |  |
| Protection class (EN 60529)  |  | IP 67  | IP 67  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3  |
| <b>Inflammability class</b>  |  |  |  |
| Contact holder material  |  | HB   | HB   |
| Housing material   |  | HB   | HB   |
| <b>Packaging</b>   |  |  |  |
| Minimum quantity   |  | 100 pieces   | 100 pieces   |
| Number of boxes suitable:  | 2 boxes<br>1 box                           | <b>EG8BD2S3P25200</b><br><b>EG8BD2S3P25100</b>   | <b>EG8BD2S4P25200</b><br><b>EG8BD2S4P25100</b>   |
| Approximate weight per box   |  | 10...12 Kg   | 10...12 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| <b>Notes</b>   |  |  |  |
| Technical specifications on cables and accessories see pages 171-175 |  |  |  |

## Circular Connectors **EG8** series

MOULDED IN CABLE



# M12 / M8 Extension

|  |  |  |  |
|--|--|--|--|
| IEC 61076-2-101  | IEC 61076-2-101  | IEC 61076-2-101  |  |
| D MM style   | D MM style   | D LM style   |  |
| E LF style   | E LF style   | E LF style   |  |
| Non-rewireable connector with angled locking nut male (M12) and female (M8) straight version | Non-rewireable connector with angled locking nut male (M12) and female (M8) straight version | Non-rewireable connector with single straight locking nut male (M12 Y) and double female (M8) straight version |  |
| black  | black  | black  |  |
| male + female  | male + female  | male + female  |  |
| 3  | 4  | 3  |  |
| PUR  | PUR  | PUR  |  |
| 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   |  |
| 2 m  | 2 m  | 1 m  |  |
| <b>EG8BK2S3P25200</b>  | <b>EG8BK2S4P25200</b>  | order no. <b>YG8BD2S3P25100</b>  |  |
| order no. <b>EG8BK2S3P25100</b>  | order no. <b>EG8BK2S4P25100</b>  | order no. <b>YG8BD2S3P25060</b>  |  |
| black  | black  | black  |  |
| brown - blue - black   | brown - white - blue - black   | brown - blue - black   |  |
| 5,0 mm   | 5,0 mm   | 5,0 mm   |  |
| -40°C to + 80°C  | -40°C to + 80°C  | -40°C to + 80°C  |  |
|           |           |                            |  |
| ▷ Code A   | ▷ Code A   | ▷ Code A   |  |
| 1 mm   | 1 mm   | 1 mm   |  |
| 60 V AC/DC   | 30 V AC/DC   | 60 V AC/DC   |  |
| 3 A  | 3 A  | 3 A  |  |
| ≤ 10 mΩ  | ≤ 10 mΩ  | ≤ 10 mΩ  |  |
| Lock nut M8 x 1 - M12 x 1  | Lock nut M8 x 1 - M12 x 1  | Lock nut M8 x 1 - M12 x 1  |  |
| M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m   | M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m   | M8 = 0,3-0,5 N/m-M12 = 0,5-0,8 N/m   |  |
| CuSn gold plated   | CuSn gold plated   | CuSn gold plated   |  |
| PA6 black - PA6T / 61 GF blue  | PA6 black - PA6T / 61 GF blue  | PA6 black - PA6T / 61 GF blue  |  |
| TPU  | TPU  | TPU  |  |
| CuZn Nikel plated  | CuZn Nikel plated  | CuZn Nikel plated  |  |
| Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  | Zamak 15 / ZnAl4Cu1  |  |
| Viton  | Viton  | Viton  |  |
| IP 67  | IP 67  | IP 67  |  |
| 3  | 3  | 3  |  |
| HB   | HB   | HB   |  |
| HB   | HB   | HB   |  |
| 100 pieces   | 100 pieces   | 100 pieces   |  |
| <b>EG8BK2S3P25200</b>  | <b>EG8BK2S4P25200</b>  | <b>YG8BD2S3P25100</b>  |  |
| <b>EG8BK2S3P25100</b>  | <b>EG8BK2S4P25100</b>  | <b>YG8BD2S3P25060</b>  |  |
| 10...12 Kg   | 10...12 Kg   | 10...12 Kg   |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |  |



M12 / M8 Extension

| <b>Product description</b>   |  |  |  |
|--|--|--|--|
| Standard   |  | IEC 61076-2-101  | IEC 61076-2-101  |
| Construction type  |  | D LM style<br>E MF style   | D LM style<br>E MF style   |
| Description  |  | Non-rewireable connector with straight locking nut male (M12) and female (M8) angled version | Non-rewireable connector with straight locking nut male (M12) and female (M8) angled version |
| Housing colour   |  | black  | black  |
| Type of contact  |  | male + female  | male + female  |
| Number of contacts   |  | 3  | 4  |
| Cable type   |  | PUR  | PUR  |
| Conductor specification  |  | 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   |
| Cable length   |  | 2 m  | 2 m  |
| Order no.  |  | <b>EW8BD2S3P25200</b>  | <b>EW8BD2S4P25200</b>  |
| Other standard options   | cable length 1,0m<br>cable length 0,6m     | order no. <b>EW8BD2S3P25100</b>  | order no. <b>EW8BD2S4P25100</b>  |
| Cable jacket colour  |  | black  | black  |
| Conductor colours  |  | brown - blue - black   | brown - white - blue - black   |
| Cable diameter +/-5%   |  | 5,0 mm   | 5,0 mm   |
| Temperature range  | static application<br>flexible application | -40°C to + 80°C  | -40°C to + 80°C  |
| <b>Drawing</b>   |  | <p>&gt; Code A</p>   | <p>&gt; Code A</p>   |
| <b>Technical data</b>  |  |  |  |
| Pin dimension  |  | 1 mm   | 1 mm   |
| Rated voltage max.   |  | 60 V AC/DC   | 30 V AC/DC   |
| Rated current max.   |  | 3 A  | 3 A  |
| Contact resistance   |  | ≤ 10 mΩ  | ≤ 10 mΩ  |
| Mounting   |  | Lock nut M8 x 1 - M12 x 1  | Lock nut M8 x 1 - M12 x 1  |
| Fixing screw torque  |  | M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m   | M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m   |
| <b>Material</b>  |  |  |  |
| Contact material   |  | CuSn gold plated   | CuSn gold plated   |
| Contact holder material  |  | PA6 black - PA6T / 61 GF blue  | PA6 black - PA6T / 61 GF blue  |
| Housing material   |  | TPU  | TPU  |
| Coupling nut material  |  | CuZn Nickel plated-<br>Zamak 15 / ZnAl4Cu1   | CuZn Nickel plated-<br>Zamak 15 / ZnAl4Cu1   |
| O-Ring   |  | Viton  | Viton  |
| <b>Environmental conditions</b>                                      |  |  |  |
| Protection class (EN 60529)  |  | IP 67  | IP 67  |
| Pollution severity (EN 60664-1)                                      |  | 3  | 3  |
| <b>Inflammability class</b>  |  |  |  |
| Contact holder material  |  | HB   | HB   |
| Housing material   |  | HB   | HB   |
| <b>Packaging</b>   |  |  |  |
| Minimum quantity   |  | 100 pieces   | 100 pieces   |
| Number of boxes suitable:  | 2 boxes<br>1 box                           | <b>EW8BD2S3P25200</b><br><b>EW8BD2S3P25100</b>   | <b>EW8BD2S4P25200</b><br><b>EW8BD2S4P25100</b>   |
| Approximate weight per box   |  | 10...12 Kg   | 10...12 Kg   |
| Box dimension  |  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |
| <b>Notes</b>   |  |  |  |
| Technical specifications on cables and accessories see pages 171-175 |  |  |  |

## Circular Connectors EW8 series

MOULDED IN CABLE



M12 / M8 Extension

|  |  |  |  |
|--|--|--|--|
| IEC 61076-2-101  | IEC 61076-2-101  | IEC 61076-2-101  |  |
| D MM style   | D MM style   | D LM style   |  |
| E MF style   | E MF style   | E MF style   |  |
| Non-rewireable connector with angled locking nut male (M12) and female (M8) angled version | Non-rewireable connector with angled locking nut male (M12) and female (M8) angled version | Non-rewireable connector with single straight locking nut male (M12 Y) and double female (M8) angled version |  |
| black  | black  | black  |  |
| male + female  | male + female  | male + female  |  |
| 3  | 4  | 3  |  |
| PUR  | PUR  | PUR  |  |
| 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   | 0,25 mm <sup>2</sup>   |  |
| 2 m  | 2 m  | 1 m  |  |
| <b>EW8BK2S3P25200</b>  | <b>EW8BK2S4P25200</b>  | <b>YW8BD2S3P25100</b>  |  |
| order no. <b>EW8BK2S3P25100</b>  | order no. <b>EW8BK2S4P25100</b>  | order no. <b>YW8BD2S3P25060</b>  |  |
| black  | black  | black  |  |
| brown - blue - black   | brown - white - blue - black   | brown - blue - black   |  |
| 5,0 mm   | 5,0 mm   | 5,0 mm   |  |
| -40°C to + 80°C  | -40°C to + 80°C  | -40°C to + 80°C  |  |
| <p>▷ Code A</p>  | <p>▷ Code A</p>  | <p>▷ Code A</p>  |  |
| 1 mm   | 1 mm   | 1 mm   |  |
| 60 V AC/DC   | 30 V AC/DC   | 60 V AC/DC   |  |
| 3 A  | 3 A  | 3 A  |  |
| ≤ 10 mΩ  | ≤ 10 mΩ  | ≤ 10 mΩ  |  |
| Lock nut M8 x 1 - M12 x 1  | Lock nut M8 x 1 - M12 x 1  | Lock nut M8 x 1 - M12 x 1  |  |
| M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m   | M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m   | M8= 0,3-0,5 N/m - M12= 0,5-0,8 N/m   |  |
| CuSn gold plated   | CuSn gold plated   | CuSn gold plated   |  |
| PA6 black - PA6T / 61 GF blue  | PA6 black - PA6T / 61 GF blue  | PA6 black - PA6T / 61 GF blue  |  |
| TPU  | TPU  | TPU  |  |
| CuZn Nickel plated-<br>Zamak 15 / ZnAl4Cu1   | CuZn Nickel plated-<br>Zamak 15 / ZnAl4Cu1   | CuZn Nickel plated-<br>Zamak 15 / ZnAl4Cu1   |  |
| Viton  | Viton  | Viton  |  |
| IP 67  | IP 67  | IP 67  |  |
| 3  | 3  | 3  |  |
| HB   | HB   | HB   |  |
| HB   | HB   | HB   |  |
| 100 pieces   | 100 pieces   | 100 pieces   |  |
| <b>EW8BK2S3P25200</b>  | <b>EW8BK2S4P25200</b>  | <b>YW8BD2S3P25100</b>  |  |
| <b>EW8BK2S3P25100</b>  | <b>EW8BK2S4P25100</b>  | <b>YW8BD2S3P25060</b>  |  |
| 10...12 Kg   | 10...12 Kg   | 10...12 Kg   |  |
| 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  | 39 x 39 x 19,5 cm  |  |




















| <b>Product description</b>   |  | IEC 61076-2-101   | IEC 61076-2-101   |
|--|--|---|---|
| Standard   |  | IEC 61076-2-101   | IEC 61076-2-101   |
| Construction type  |  | E LM and E LF style   | E LM and LF style   |
| Description  |  | Non-rewireable connector with M8 locking nut male and female straight version | Non-rewireable connector with M8 locking nut male and female straight version |
| Housing colour   |  | black   | black   |
| Type of contact  |  | male + female   | male + female   |
| Number of contacts   |  | 3   | 4   |
| Cable type   |  | PUR   | PUR   |
| Conductor specification  |  | 0,25 mm <sup>2</sup>  | 0,25 mm <sup>2</sup>  |
| Cable length   |  | 2 m   | 2 m   |
| Order no.  |  | <b>EG8BG8S3P25200</b>   | <b>EG8BG8S4P25200</b>   |
| Other standard options   | cable length 1,0m                          | order no. <b>EG8BG8S3P25100</b>   | order no. <b>EG8BG8S4P25100</b>   |
| Cable jacket colour  |  | black   | black   |
| Conductor colours  |  | brown - white - blue  | brown - white - blue - black  |
| Cable diameter +/-5%   |  | 5,0 mm  | 5,0 mm  |
| Temperature range  | static application<br>flexible application | -40°C to + 80°C static  | -40°C to + 80°C static  |
| <b>Drawing</b>   |  |   |   |
| <b>Technical data</b>  |  |   |   |
| Pin dimension  |  | 1 mm  | 1 mm  |
| Rated voltage max.   |  | 60 V AC/DC  | 30 V AC/DC  |
| Rated current max.   |  | 3 A   | 3 A   |
| Contact resistance   |  | ≤ 10 mΩ   | ≤ 10 mΩ   |
| Mounting   |  | Lock nut M8 x 1   | Lock nut M8 x 1   |
| Fixing screw torque  |  | min. 0,3; max. 0,5 N/m  | min. 0,3; max. 0,5 N/m  |
| <b>Material</b>  |  |   |   |
| Contact material   |  | CuSn gold plated  | CuSn gold plated  |
| Contact holder material  |  | PA6 black   | PA6 black   |
| Housing material   |  | TPU   | TPU   |
| Coupling nut material  |  | CuZn Nickel plated  | CuZn Nickel plated  |
| O-Ring   |  | Viton   | Viton   |
| <b>Environmental conditions</b>                                      |  |   |   |
| Protection class (EN 60529)  |  | IP 67   | IP 67   |
| Pollution severity (EN 60664-1)                                      |  | 3   | 3   |
| <b>Inflammability class</b>  |  |   |   |
| Contact holder material  |  | HB  | HB  |
| Housing material   |  | HB  | HB  |
| <b>Packaging</b>   |  |   |   |
| Minimum quantity   |  | 100 pieces  | 100 pieces  |
| Number of boxes suitable:  | 2 boxes                                    | <b>EG8BG8S3P25200</b>   | <b>EG8BG8S4P25200</b>   |
|  | 1 box                                      | <b>EG8BG8S3P25100</b>   | <b>EG8BG8S4P25100</b>   |
| Approximate weight per box   |  | 10...12 Kg  | 10...12 Kg  |
| Box dimension  |  | 39 x 39 x 19,5 cm   | 39 x 39 x 19,5 cm   |
| <b>Notes</b>   |  |   |   |
| Technical specifications on cables and accessories see pages 171-175 |  |   |   |







| CODES          |   | PRODUCT  |
|----------------|---|--|
| <b>8KAS123</b> |    | 100 fixing screws for connectors M3x32,5           |
| <b>8KAS138</b> |   | 100 fixing screws for connectors M3x32,5 INOX      |
| <b>8KCS142</b> |   | 100 fixing screws for connectors M2,5x27,5         |
| <b>8KDS142</b> |   | 100 fixing screws for connectors M3x27,5           |
| <b>8MAS126</b> |   | 100 fixing screws for connectors M3x28,5           |
| <b>8MAS143</b> |   | 100 fixing screws for connectors M3x28,5 INOX      |
| <b>8MDS145</b> |  | 100 fixing screws for connectors M3x23             |
| <b>8MCS146</b> |   | 100 fixing screws for connectors M2,5x23           |
| <b>8BAPE34</b> |  | 100 fixing screws for bases M3x6                   |
| <b>8BAF310</b> |  | 100 fixing screws for bases M3x10                  |
| <b>8BBB132</b> |  | 100 central fixing screw M4x15,5 CuSn for bases BB |
| <b>8BDF385</b> |  | 100 fixing screws for bases M3x8,5                 |

| CODES            |   | PRODUCT   |
|------------------|---|---|
| <b>8KAS124</b>   |    | 100 gaskets for connectors P18 prof. NBR  |
| <b>8KAS148</b>   |    | 100 gaskets for connectors P18 prof. Silicone                                       |
| <b>8KAS134</b>   |    | 100 gaskets for connectors P18 flat NBR   |
| <b>8KAS149</b>   |    | 100 gaskets for connectors P18 flat Silicone  |
| <b>8KBS154</b>   |    | 100 gaskets for connectors P11-P10 prof. NBR  |
| <b>8KBS135</b>   |    | 100 gaskets for connectors P11-P10 flat NBR   |
| <b>8KCS159</b>   |   | 100 gaskets for connectors P8-P9,4 prof. NBR  |
| <b>8KCS160</b>   |  | 100 gaskets for connectors P8-P9,4 flat NBR   |
| <b>8BAS163</b>   |  | 100 gaskets for bases   |
| <b>8BDS164</b>   |  | 100 gaskets for bases   |
| <b>8KAS153</b>   |  | O-ring IP67 for fixing screws M3  |
| <b>C110995</b>   |  | marking label for connectors  |
| <b>C111307</b>   |  | label holder for cables   |
| <b>C141122</b>   |  | locking screw per M12 receptacles M16   |
| <b>C141123</b>   |  | locking screw per M12 receptacles PG9   |
| <b>203151410</b> |  | Pins protection cap for coils with connection B industrial                          |
| <b>230150410</b> |  | Pins protection cap for coils with connection<br>A EN175301-803 ISO4400 (DIN 43650) |

| Cable type                  | Atam series | Features  | Specifications  | Min. bending radius (static application) |
|-----------------------------|-------------|---|---|--|
| PVC IMQ-HAR                 | A...        | Suitable for common applications.<br>Low resistance to common oils  | CEI 20-20 UNEL 35746<br>GENELEC HD21                  | 15 x outer diameter                      |
| PVC CEI 2022 II O.R. IMQ CE | C...        | Suitable for common applications in industrial automation.<br>Moderate resistance to common oils<br>Flame retardant according to IEC 60332-3A   | CEI 20-20 UNEL 35749                                  | 10 x outer diameter                      |
| BiHF-J (Silicone)           | F...        | Silicone cables are used in heating appliances outstanding heat and cold resistance.<br>Halogen free (acc. to IEC 60754-1 )<br>Flame retardant according to IEC 60332-1 + EN50265-2-1<br>Flexible at low temperature  |   | 4 x outer diameter                       |
| PVC                         | G...        | Suitable for control devices, e.g. on machine tools, conveyor or assembly lines, transporting equipments.<br>Suitable for medium mechanical stresses without tensile stress or forced movements but not suitable for open air.<br>Extensively oil resistant<br>Flame retardant according to IEC 60332-1 |   | 4 x outer diameter                       |
| PVC / UL-CSA                | L...        | UL listed and CSA certified flexible control cable rated at 600V.<br>Used on machine tools, control systems, assembly lines.<br>Moderate flexible application.<br>Resistant to mineral oils and outer jacket approved to improved oil resistant test.   | UL Style 2587 90°C 600V<br>CSA AWM I/II A/B 90°C 600V | 4 x outer diameter                       |
| PUR / PVC LiY11Y            | P...        | PUR compound jacketed cable with high resistance to mineral oils especially suited for use in machine tool and heavy environment.<br>Suitable for outdoor and resistant to UV radiation and hydrolysis<br>Conditionally resistant to microbes.<br>Flame retardant according to IEC 60332-1              | 2002/95/CE  | 10 x outer diameter                      |

| Atam code | Outer jacket specification | Outer jacket colour | Conductors colour         | No. of cores x cross section (n x mm <sup>2</sup> ) | Outer Ø mm. +/- 5% | Nominal voltage U <sub>0</sub> / U |
|-----------|----------------------------|---------------------|---------------------------|---|--------------------|------------------------------------|
| A012      | PVC H03VV-F                | Black RAL 9005      | br-blue                   | 2 x 0,5   | 5,1                | 300 / 300                          |
| A013      | PVC H03VV-F                | Black RAL 9005      | br-blue-yellowgreen       | 3 G 0,5   | 5,5                | 300 / 300                          |
| A014      | PVC H03VV-F                | Black RAL 9005      | br-grey-black-yellowgreen | 4 G 0,5   | 6,1                | 300 / 300                          |
| A052      | PVC H05VV-F                | Black RAL 9005      | br-blue                   | 2 x 0,75  | 6,3                | 300 / 500                          |
| A053      | PVC H05VV-F                | Black RAL 9005      | br-blue-yellowgreen       | 3 G 0,75  | 6,7                | 300 / 500                          |
| A054      | PVC H05VV-F                | Black RAL 9005      | br-grey-black-yellowgreen | 4 G 0,75  | 7,3                | 300 / 500                          |
| A062      | PVC H05VV-F                | Black RAL 9005      | br-blue                   | 2 x 1   | 6,6                | 300 / 500                          |
| A063      | PVC H05VV-F                | Black RAL 9005      | br-blue-yellowgreen       | 3 G 1   | 7,0                | 300 / 500                          |
| C032      | PVC CEI 2022 II            | Grey RAL 7035       | br-blue                   | 2 x 0,5   | 5,1                | 300 / 300                          |
| C033      | PVC CEI 2022 II            | Grey RAL 7035       | br-blue-yellowgreen       | 3 G 0,5   | 5,5                | 300 / 300                          |
| C034      | PVC CEI 2022 II            | Grey RAL 7035       | br-grey-black-yellowgreen | 4 G 0,5   | 6,0                | 300 / 300                          |
| C044      | PVC CEI 2022 II            | Grey RAL 7035       | br-grey-black-yellowgreen | 4 G 0,75  | 6,5                | 300 / 500                          |
| C045      | PVC CEI 2022 II            | Grey RAL 7035       | br-grey-black-blue-yeIgre | 5 G 0,75  | 6,8                | 300 / 500                          |
| C052      | PVC CEI 2022 II            | Grey RAL 7035       | br-blue                   | 2 x 1   | 6,5                | 450 / 750                          |
| C053      | PVC CEI 2022 II            | Grey RAL 7035       | br-blue-yellowgreen       | 3 G 1   | 7,0                | 450 / 750                          |
| C253      | PVC CEI 2022 II            | Grey RAL 7035       | br-blue-black             | 3 x 0,25  | 4,5                | 300 / 300                          |
| C254      | PVC CEI 2022 II            | Grey RAL 7035       | br-blue-black-white       | 4 x 0,25  | 5,0                | 300 / 300                          |
| C255      | PVC CEI 2022 II            | Grey RAL 7035       | br-blue-black-white-grey  | 5 x 0,25  | 5,0                | 300 / 300                          |
| C343      | PVC CEI 2022 II            | Grey RAL 7035       | br-blue-black             | 3 x 0,34  | 5,0                | 300 / 300                          |
| C344      | PVC CEI 2022 II            | Grey RAL 7035       | br-blue-black-white       | 4 x 0,34  | 5,0                | 300 / 300                          |
| C345      | PVC CEI 2022 II            | Grey RAL 7035       | br-blue-black-bi-grey     | 5 x 0,34  | 5,5                | 300 / 300                          |
| F053      | SILICONE                   | Red RAL 3016        | br-blue-yellowgreen       | 3 G 0,75  | 6,5                | 300 / 500                          |
| G033      | PVC                        | Grey RAL 7000       | DIN VDE 0293 + HD186      | 3 G 0,5   | 5,4                | 300 / 500                          |
| G034      | PVC                        | Grey RAL 7000       | DIN VDE 0293 + HD186      | 4 G 0,5   | 5,8                | 300 / 500                          |
| G035      | PVC                        | Grey RAL 7000       | DIN VDE 0293 + HD186      | 5 G 0,5   | 6,5                | 300 / 500                          |
| G053      | PVC                        | Grey RAL 7000       | DIN VDE 0293 + HD186      | 3 G 0,75  | 6,2                | 300 / 500                          |
| G054      | PVC                        | Grey RAL 7000       | DIN VDE 0293 + HD186      | 4 G 0,75  | 6,7                | 300 / 500                          |
| G055      | PVC                        | Grey RAL 7000       | DIN VDE 0293 + HD186      | 5 G 0,75  | 7,3                | 300 / 500                          |
| G063      | PVC                        | Grey RAL 7000       | DIN VDE 0293 + HD186      | 3 x 1   | 6,4                | 300 / 500                          |
| L082      | PVC VDE UL+CSA             | Grey RAL 7000       | DIN VDE 0293 + HD186      | 2 x AWG20   | 5,3                | VDE 300 / 500 - UL+CSA 600V        |
| L083      | PVC VDE UL+CSA             | Grey RAL 7000       | DIN VDE 0293 + HD186      | 3 X AWG20   | 5,6                | VDE 300 / 500 - UL+CSA 600V        |
| L063      | PVC VDE UL+CSA             | Grey RAL 7000       | DIN VDE 0293 + HD186      | 3 X AWG18   | 6,4                | VDE 300 / 500 - UL+CSA 600V        |
| P112      | PUR LIY11Y                 | Black (matt)        | br-blue                   | 2 x 0,5   | 5,0                | 300 / 300                          |
| P113      | PUR LIY11Y                 | Black (matt)        | br-blue-yellowgreen       | 3 G 0,5   | 5,5                | 300 / 300                          |
| P114      | PUR LIY11Y                 | Black (matt)        | br-grey-black-yellowgreen | 4 G 0,5   | 6,0                | 300 / 300                          |
| P122      | PUR LIY11Y                 | Black (matt)        | br-blue                   | 2 x 0,75  | 6,3                | 300 / 500                          |
| P123      | PUR LIY11Y                 | Black (matt)        | br-blue-yellowgreen       | 3 G 0,75  | 6,7                | 300 / 500                          |
| P253      | PUR LIY11Y                 | Black (matt)        | CENELEC HD 308 S2         | 3 x 0,25  | 4,5                | 300 / 300                          |
| P254      | PUR LIY11Y                 | Black (matt)        | CENELEC HD 308 S2         | 4 x 0,25  | 5,0                | 300 / 300                          |
| P255      | PUR LIY11Y                 | Black (matt)        | CENELEC HD 308 S2         | 5 x 0,25  | 5,0                | 300 / 300                          |
| P343      | PUR LIY11Y                 | Black (matt)        | CENELEC HD 308 S2         | 3 x 0,34  | 5,0                | 300 / 300                          |
| P344      | PUR LIY11Y                 | Black (matt)        | CENELEC HD 308 S2         | 4 x 0,34  | 5,0                | 300 / 300                          |
| P345      | PUR LIY11Y                 | Black (matt)        | CENELEC HD 308 S2         | 5 x 0,34  | 5,5                | 300 / 300                          |





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