3/2-directional valve, Series CD07

- Qn = 1400 l/min
- Pilot valve width : 30 mm
- NC, NO
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent, without
- single solenoid
- With spring return
- Pilot : internal, external

Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	See table below
Medium temperature min./max.	See table below
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	1400 l/min
Nominal flow 1 ▸ 2	1400 l/min
Nominal flow 2 ▸ 3	1400 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	See table below

Technical data

Part No.			MO	Compressed air connection
				Input
5772070220		NC/NO		G 1/4
5772075270		NC/NO		G 1/4
5772075280		NC/NO		G 1/4
5772072220		NC/NO		G 1/4
5772075220		NC/NO		G 1/4
5772075302		NC/NO		G 1/4
5772080220		NC/NO		G 1/4
5772085270		NC/NO		G 1/4
5772085280		NC/NO		G 1/4
5772085220		NC/NO		G 1/4
5772085302		NC/NO		G 1/4
R412004091		NC/NO		G 1/4
R412004092		NC/NO		G 1/4
5772960220		NC/NO	–	G 1/4
5772965302		NC/NO	–	G 1/4

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
5772070220	G 1/4	G 1/4
5772075270	G 1/4	G 1/4
5772075280	G 1/4	G 1/4
5772072220	G 1/4	G 1/4
5772075220	G 1/4	G 1/4
5772075302	G 1/4	G 1/4
5772080220	G 1/4	G 1/4
5772085270	G 1/4	G 1/4
5772085280	G 1/4	G 1/4
5772085220	G 1/4	G 1/4
5772085302	G 1/4	G 1/4
R412004091	G 1/4	G 1/4
R412004092	G 1/4	G 1/4
5772960220	G 1/4	G 1/4
5772965302	G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Pilot Input	Pilot Exhaust	DC
5772070220	-	-	24 V
5772075270	-	-	-
5772075280	-	-	-
5772072220	-	-	24 V
5772075220	-	-	-
5772075302	-	-	-
5772080220	G 1/8	M5	24 V
5772085270	G 1/8	M5	-
5772085280	G 1/8	M5	-
5772085220	G 1/8	M5	-

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Pilot Input	Pilot Exhaust	DC
5772085302	G 1/8	M5	-
R412004091	-	-	24 V
R412004092	G 1/8	M5	24 V
5772960220	-	-	24 V
5772965302	-	-	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5772070220	-	-	-10% / +10%	-
5772075270	110 V	110 V	-	-20% / +10%
5772075280	230 V	230 V	-	-20% / +10%
5772072220	-	-	-20% / +30%	-
5772075220	24 V	24 V	-	-20% / +10%
5772075302	-	-	-	-
5772080220	-	-	-10% / +10%	-
5772085270	110 V	110 V	-	-20% / +10%
5772085280	230 V	230 V	-	-20% / +10%
5772085220	24 V	24 V	-	-20% / +10%
5772085302	-	-	-	-
R412004091	-	-	-10% / +10%	-
R412004092	-	-	-10% / +10%	-
5772960220	-	-	-10% / +10%	-
5772965302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5772070220	-	2,1 W	-	-
5772075270	-10% / +20%	-	4,3 VA	3,3 VA
5772075280	-10% / +20%	-	4,8 VA	4,1 VA
5772072220	-	4,5 W	-	-
5772075220	-10% / +20%	-	4,3 VA	3,2 VA
5772075302	-	-	-	-
5772080220	-	2,1 W	-	-
5772085270	-10% / +20%	-	4,3 VA	3,3 VA
5772085280	-10% / +20%	-	4,8 VA	4,1 VA
5772085220	-10% / +20%	-	4,3 VA	3,2 VA
5772085302	-	-	-	-
R412004091	-	2,1 W	-	-
R412004092	-	2,1 W	-	-
5772960220	-	2,1 W	-	-
5772965302	-	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

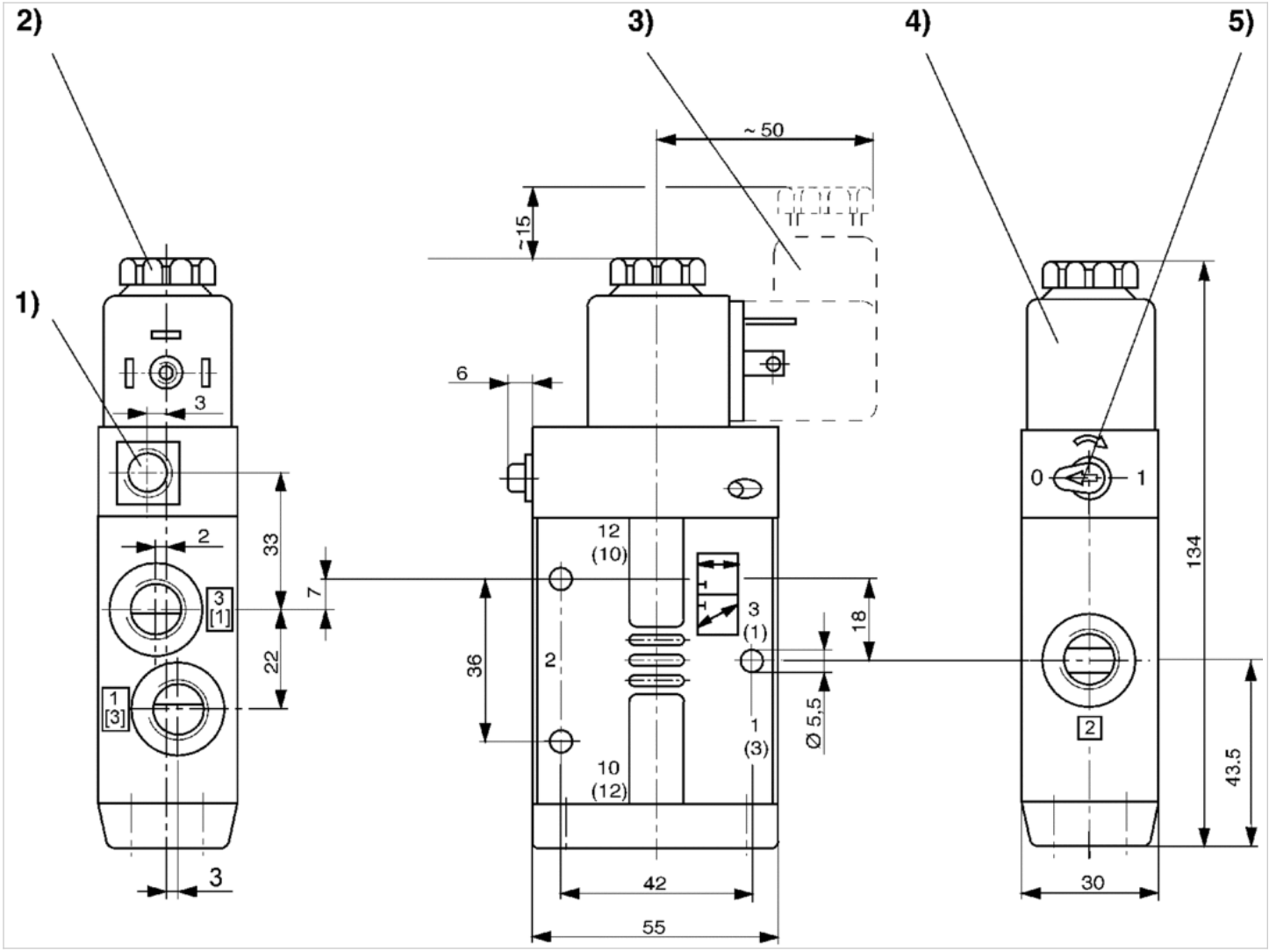
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.
option valve: The input and output compressed air connections can be exchanged.The valve can thereby be used in the NC or NO operating mode.

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

3/2-directional valve, Series CD07

- Qn = 1400 l/min
- Pilot valve width : 30 mm
- NC, NO
- Pipe connection
- Compressed air connection output : M14x1,5
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent
- single solenoid
- With spring return
- Pilot : internal, external

Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-25 ... 50 °C
Medium temperature min./max.	-25 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	1400 l/min
Nominal flow 1 ▸ 2	1400 l/min
Nominal flow 2 ▸ 3	1400 l/min
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	See table below

Technical data

Part No.			MO	Compressed air connection
				Input
5772020220		NC/NO		M14x1,5
5772025270		NC/NO		M14x1,5
5772025280		NC/NO		M14x1,5
5772020770		NC/NO		M14x1,5
5772025302		NC/NO		M14x1,5
5772030220		NC/NO		M14x1,5
5772035280		NC/NO		M14x1,5
5772035302		NC/NO		M14x1,5

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
5772020220	M14x1,5	M14x1,5
5772025270	M14x1,5	M14x1,5
5772025280	M14x1,5	M14x1,5
5772020770	M14x1,5	M14x1,5
5772025302	M14x1,5	M14x1,5
5772030220	M14x1,5	M14x1,5
5772035280	M14x1,5	M14x1,5
5772035302	M14x1,5	M14x1,5

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Pilot Input	Pilot Exhaust	DC
5772020220	-	-	24 V
5772025270	-	-	-
5772025280	-	-	-
5772020770	-	-	110 V
5772025302	-	-	-
5772030220	G 1/8	M5	24 V
5772035280	G 1/8	M5	-
5772035302	G 1/8	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5772020220	-	-	-10% / +10%	-
5772025270	110 V	110 V	-	-20% / +10%
5772025280	230 V	230 V	-	-20% / +10%
5772020770	-	-	-20% / +30%	-
5772025302	-	-	-	-
5772030220	-	-	-10% / +10%	-
5772035280	230 V	230 V	-	-20% / +10%
5772035302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5772020220	-	2,1 W	-	-
5772025270	-10% / +20%	-	4,3 VA	3,3 VA
5772025280	-10% / +20%	-	4,8 VA	4,1 VA

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5772020770	-	4,1 W	-	-
5772025302	-	-	-	-
5772030220	-	2,1 W	-	-
5772035280	-10% / +20%	-	4,8 VA	4,1 VA
5772035302	-	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

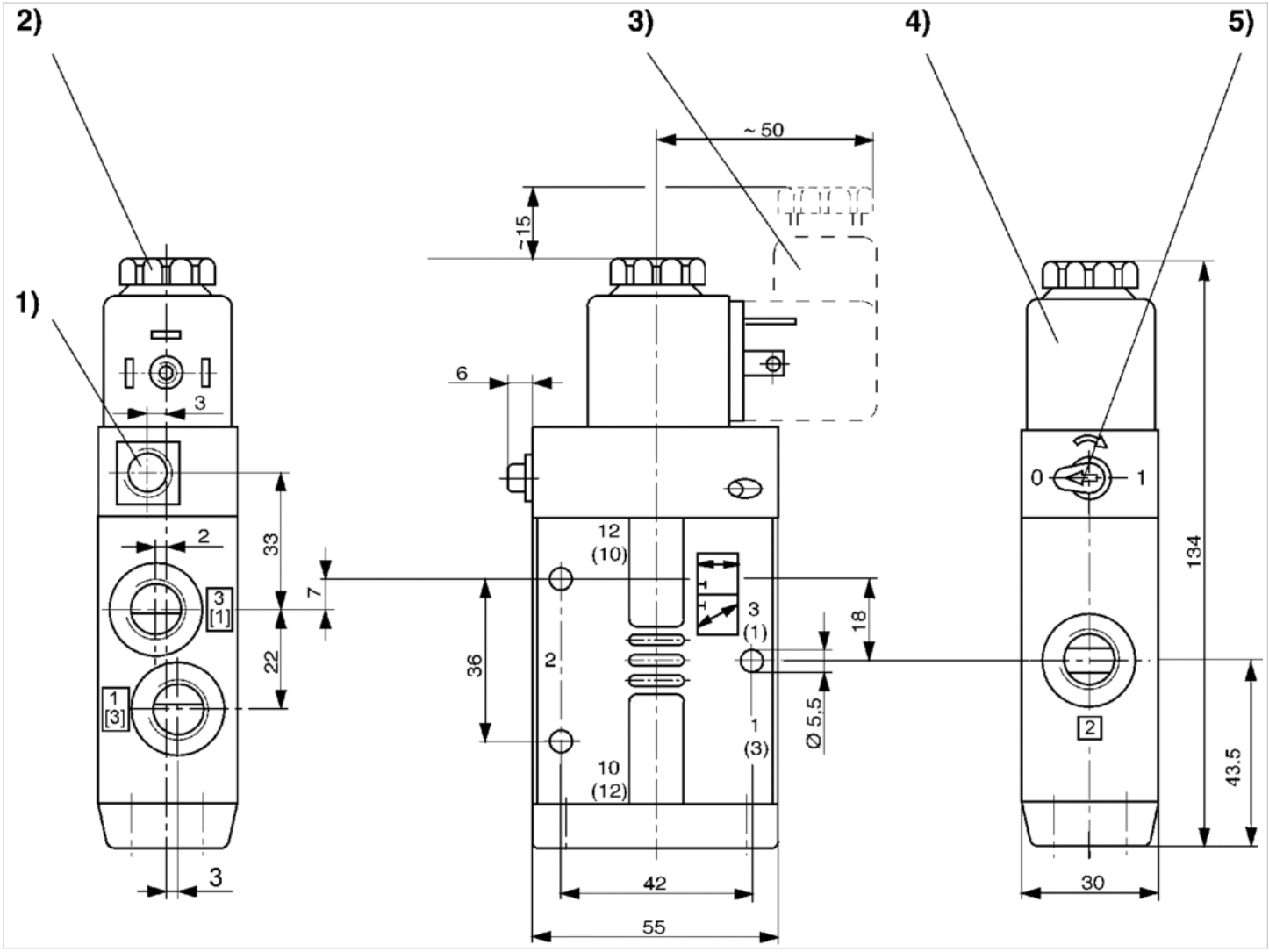
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.
option valve: The input and output compressed air connections can be exchanged.The valve can thereby be used in the NC or NO operating mode.

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent, without
- single solenoid
- With spring return
- Pilot : internal, external

Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	See table below
Medium temperature min./max.	See table below
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	1200 l/min
Nominal flow 1 ▸ 2	1200 l/min
Nominal flow 2 ▸ 3	1200 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	See table below
Duty cycle	100 %
Mounting on manifold strip	P-strip, PRS strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5776070220			G 1/4	G 1/4
5776075280			G 1/4	G 1/4
5776080220			G 1/4	G 1/4
5776085280			G 1/4	G 1/4
5776075302			G 1/4	G 1/4
5776085302			G 1/4	G 1/4
R412004093			G 1/4	G 1/4
5776070360			G 1/4	G 1/4
5776085270			G 1/4	G 1/4
5776980220		–	G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Input
5776070220	G 1/4	-
5776075280	G 1/4	-
5776080220	G 1/4	G 1/8
5776085280	G 1/4	G 1/8
5776075302	G 1/4	-
5776085302	G 1/4	G 1/8
R412004093	G 1/4	-
5776070360	G 1/4	-
5776085270	G 1/4	G 1/8
5776980220	G 1/4	-

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot Exhaust	DC	AC 50 Hz
5776070220	-	24 V	-
5776075280	-	-	230 V
5776080220	M5	24 V	-
5776085280	M5	-	230 V
5776075302	-	-	-
5776085302	M5	-	-
R412004093	-	24 V	-
5776070360	-	96 V	-
5776085270	M5	-	110 V
5776980220	-	24 V	-

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776070220	-	-10% / +15%	-	-
5776075280	230 V	-	-20% / +10%	-10% / +20%
5776080220	-	-10% / +10%	-	-
5776085280	230 V	-	-20% / +10%	-10% / +20%
5776075302	-	-	-	-
5776085302	-	-	-	-
R412004093	-	-10% / +10%	-	-

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776070360	-	-30% / +30%	-	-
5776085270	110 V	-	-20% / +10%	-10% / +20%
5776980220	-	-10% / +10%	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5776070220	2,1 W	-	-	-
5776075280	-	4,8 VA	4,1 VA	6,9 VA
5776080220	2,1 W	-	-	-
5776085280	-	4,8 VA	4,1 VA	6,9 VA
5776075302	-	-	-	-
5776085302	-	-	-	-
R412004093	2,1 W	-	-	-
5776070360	5,8 W	-	-	-
5776085270	-	4,3 VA	3,3 VA	6,8 VA
5776980220	2,1 W	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override, Nickel-plated armature guide (only suitable for DC variant), i.e. the base must not be equipped with AC coils.

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

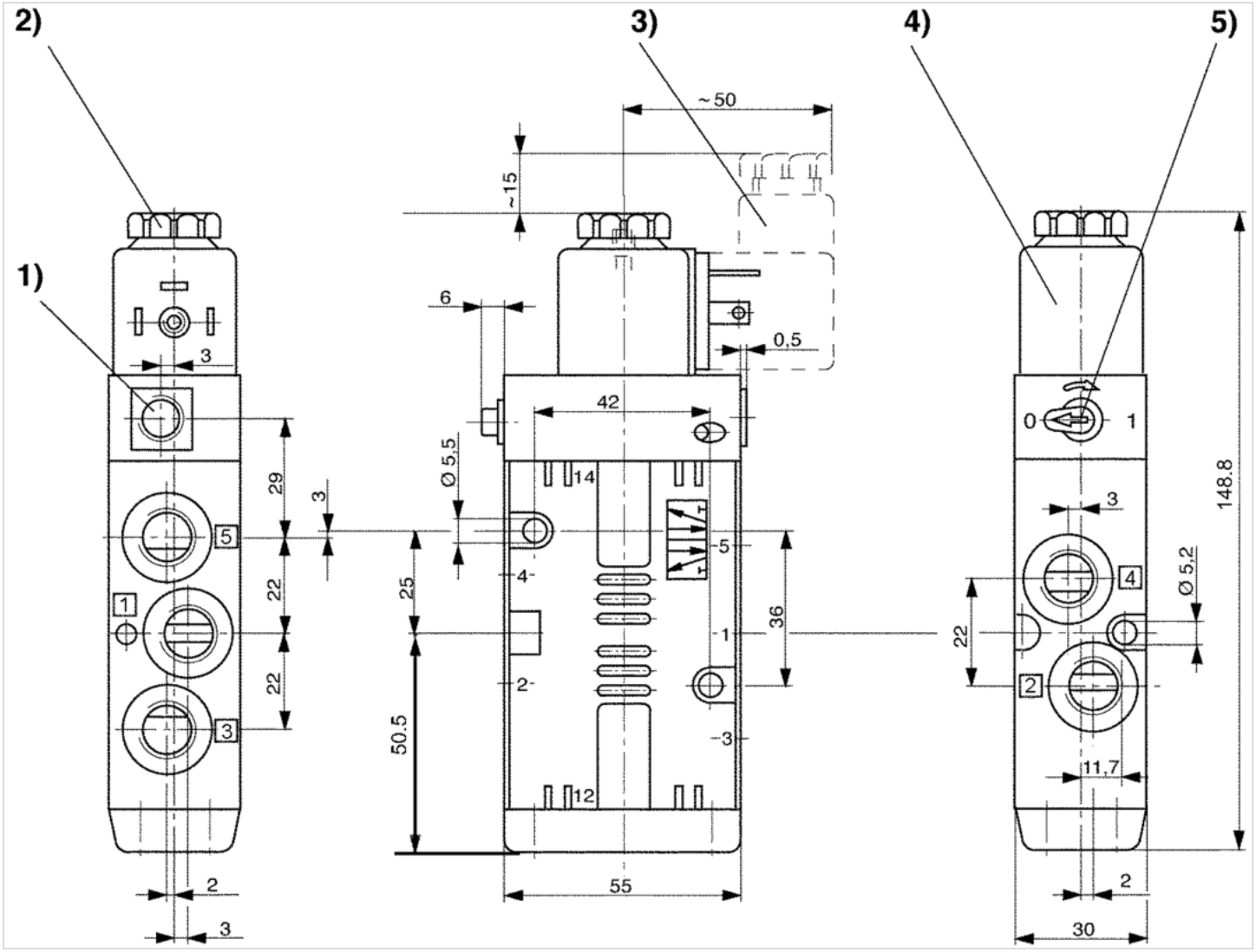
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- cold-resistant
- Manual override : with detent
- Double solenoid
- Pilot : internal

Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	3 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-40 ... 50 °C
Medium temperature min./max.	-40 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	1200 l/min
Nominal flow 1 ▸ 2	1200 l/min
Nominal flow 2 ▸ 3	1200 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Mounting on manifold strip	P-strip, PRS strip
Weight	0,75 kg

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5776840220			G 1/4	G 1/4
5776845280			G 1/4	G 1/4
5776845302			G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Exhaust	Pilot Exhaust	DC
5776840220	G 1/4	M5	24 V
5776845280	G 1/4	M5	-
5776845302	G 1/4	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5776840220	-	-	-10% / +10%	-
5776845280	230 V	230 V	-	-20% / +10%
5776845302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776840220	-	2,1 W	-	-
5776845280	-10% / +20%	-	4,8 VA	4,1 VA
5776845302	-	-	-	-

Part No.	Switch-on power	Switch-on power	Typ. switch-on time	Typ. switch-off time
	AC 50 Hz	AC 60 Hz		
5776840220	-	-	21 ms	21 ms
5776845280	6,9 VA	5,8 VA	21 ms	21 ms
5776845302	-	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

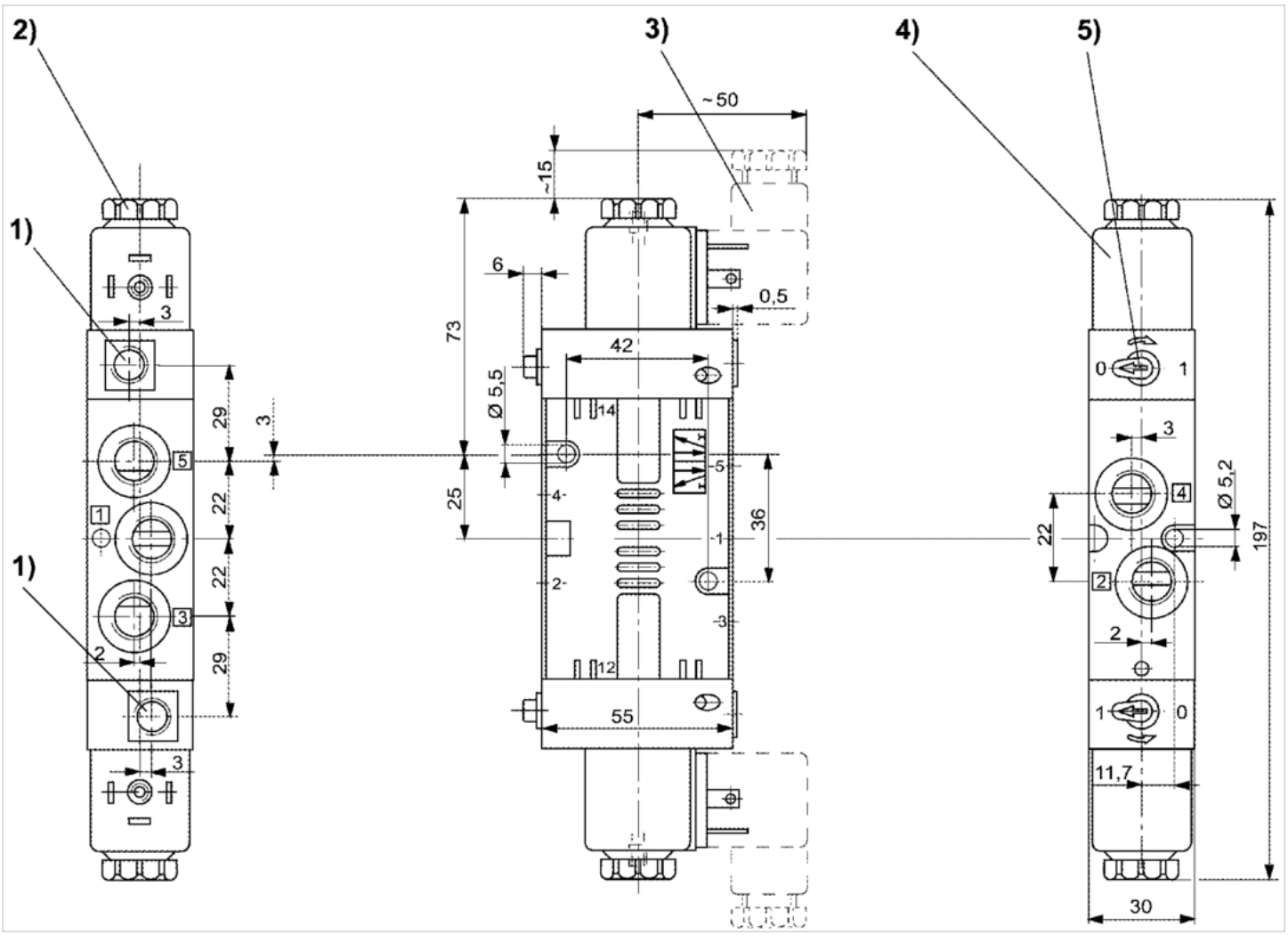
Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced, Die cast zinc, Polyarylamide, fiber-glass reinforced

Material	
Seals	Polyurethane

Dimensions

Dimensions Fig. 1



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- - 40 °C cold-resistant
- Manual override : with detent
- single solenoid
- With spring return
- Pilot : internal

Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	3,5 ... 10 bar
Control pressure min./max.	3,5 ... 10 bar
Ambient temperature min./max.	-40 ... 50 °C
Medium temperature min./max.	-40 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	1200 l/min
Nominal flow 1 ▸ 2	1200 l/min
Nominal flow 2 ▸ 3	1200 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Typ. switch-on time	25 ms
Typ. switch-off time	45 ms
Mounting on manifold strip	P-strip, PRS strip
Weight	0,57 kg

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5776960220			G 1/4	G 1/4
5776965280			G 1/4	G 1/4
5776965302			G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Exhaust	Pilot Exhaust	DC
5776960220	G 1/4	M5	24 V
5776965280	G 1/4	M5	-
5776965302	G 1/4	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5776960220	-	-	-10% / +10%	-
5776965280	230 V	230 V	-	-20% / +10%
5776965302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776960220	-	2,1 W	-	-
5776965280	-10% / +20%	-	4,8 VA	4,1 VA
5776965302	-	-	-	-

Part No.	Switch-on power	Switch-on power	Protection class
	AC 50 Hz	AC 60 Hz	with connection
5776960220	-	-	IP65
5776965280	6,9 VA	5,8 VA	IP65
5776965302	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

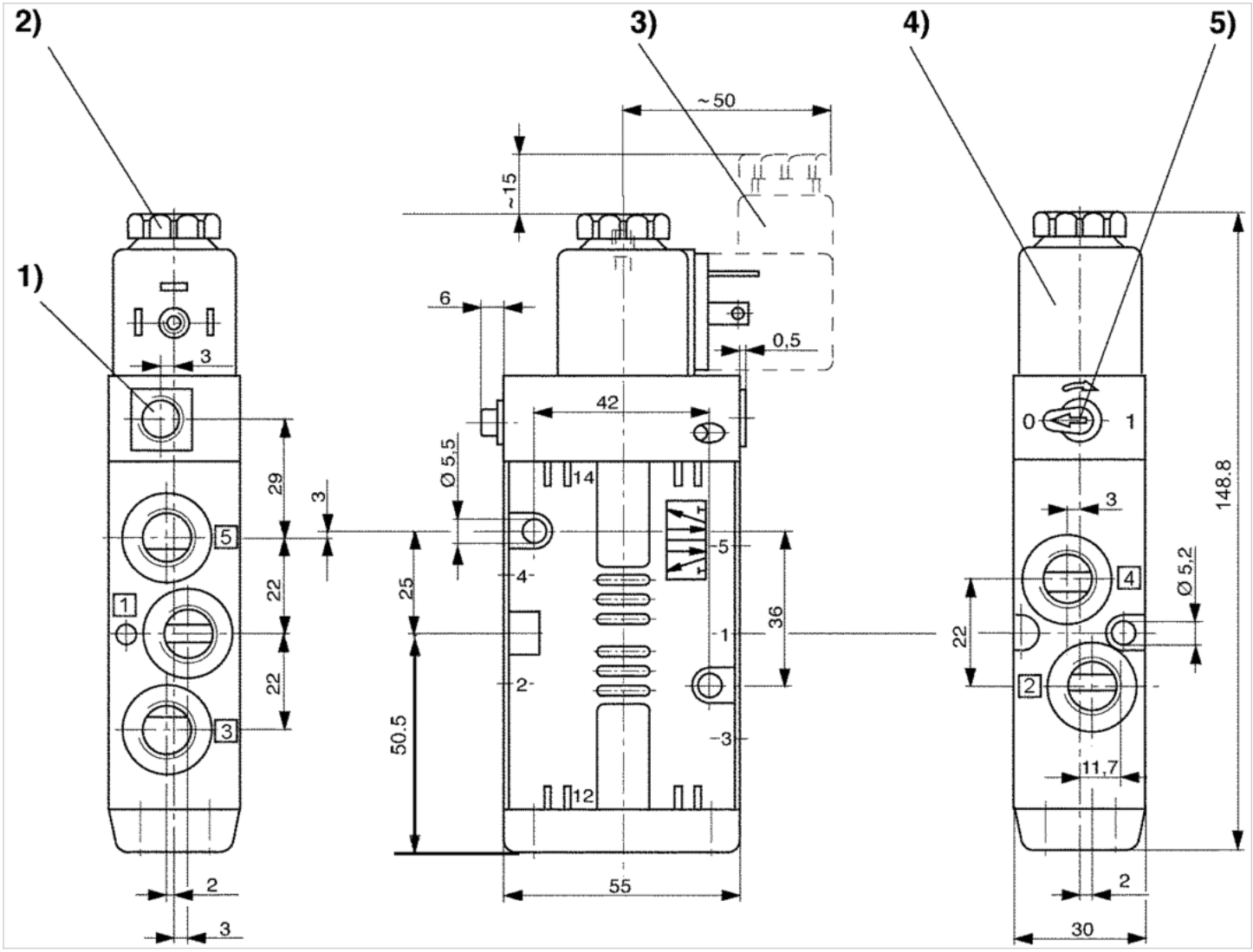
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Polyurethane

Dimensions

Dimensions



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- - 25 °C cold-resistant
- Manual override : with detent
- Double solenoid
- Pilot : internal, external

Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-25 ... 50 °C
Medium temperature min./max.	-25 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	1200 l/min
Nominal flow 1 ▸ 2	1200 l/min
Nominal flow 2 ▸ 3	1200 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Mounting on manifold strip	P-strip, PRS strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection
			Input
5776270220			G 1/4
5776272220			G 1/4
5776275270			G 1/4
5776275280			G 1/4
5776275220			G 1/4
5776275302			G 1/4
5776280220			G 1/4
5776285270			G 1/4
5776285280			G 1/4
5776285302			G 1/4

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
5776270220	G 1/4	G 1/4
5776272220	G 1/4	G 1/4
5776275270	G 1/4	G 1/4
5776275280	G 1/4	G 1/4
5776275220	G 1/4	G 1/4
5776275302	G 1/4	G 1/4
5776280220	G 1/4	G 1/4
5776285270	G 1/4	G 1/4
5776285280	G 1/4	G 1/4
5776285302	G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Pilot Input	Pilot Exhaust	DC
5776270220	-	-	24 V
5776272220	-	-	24 V
5776275270	-	-	-
5776275280	-	-	-
5776275220	-	-	-
5776275302	-	-	-
5776280220	G 1/8	M5	24 V
5776285270	G 1/8	M5	-
5776285280	G 1/8	M5	-
5776285302	G 1/8	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5776270220	-	-	-10% / +10%	-
5776272220	-	-	-20% / +30%	-
5776275270	110 V	110 V	-	-20% / +10%
5776275280	230 V	230 V	-	-20% / +10%
5776275220	24 V	24 V	-	-20% / +10%
5776275302	-	-	-	-
5776280220	-	-	-10% / +10%	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5776285270	110 V	110 V	-	-20% / +10%
5776285280	230 V	230 V	-	-20% / +10%
5776285302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776270220	-	2,1 W	-	-
5776272220	-	4,5 W	-	-
5776275270	-10% / +20%	-	4,3 VA	3,3 VA
5776275280	-10% / +20%	-	4,8 VA	4,1 VA
5776275220	-10% / +20%	-	4,3 VA	3,2 VA
5776275302	-	-	-	-
5776280220	-	2,1 W	-	-
5776285270	-10% / +20%	-	4,3 VA	3,3 VA
5776285280	-10% / +20%	-	4,8 VA	4,1 VA
5776285302	-	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

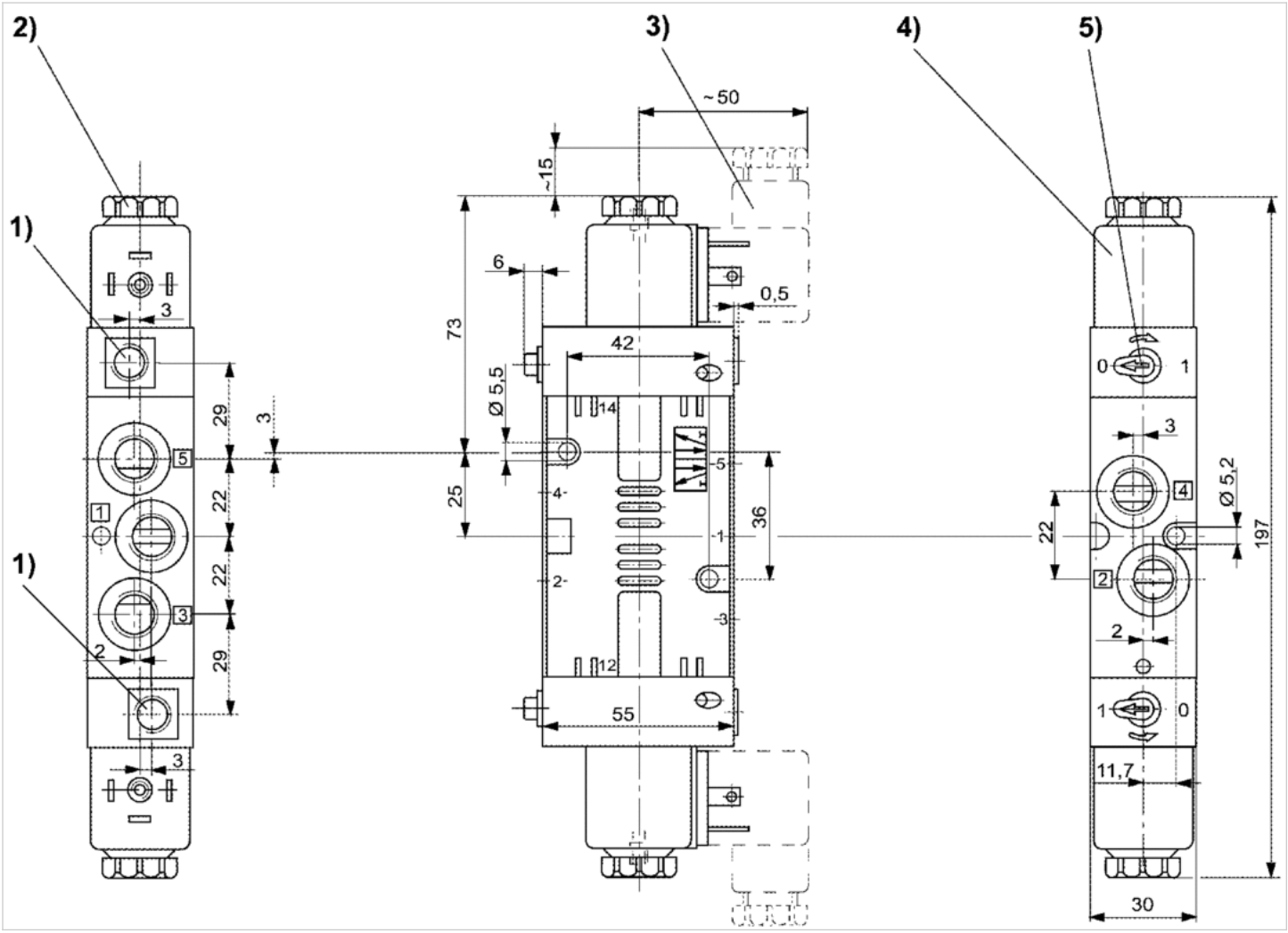
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions Fig. 1



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : M14x1,5
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent
- single solenoid
- With spring return
- Pilot : internal, external

Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-25 ... 50 °C
Medium temperature min./max.	-25 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	1200 l/min
Nominal flow 1 ▸ 2	1200 l/min
Nominal flow 2 ▸ 3	1200 l/min
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Mounting on manifold strip	P-strip, PRS strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5776020220			M14x1,5	M14x1,5
5776025270			M14x1,5	M14x1,5
5776025280			M14x1,5	M14x1,5
5776025302			M14x1,5	M14x1,5
5776030220			M14x1,5	M14x1,5
5776035280			M14x1,5	M14x1,5
5776035302			M14x1,5	M14x1,5

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Input
5776020220	M14x1,5	-
5776025270	M14x1,5	-
5776025280	M14x1,5	-
5776025302	M14x1,5	-
5776030220	M14x1,5	G 1/8
5776035280	M14x1,5	G 1/8
5776035302	M14x1,5	G 1/8

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot Exhaust	DC	AC 50 Hz
5776020220	M5	24 V	-
5776025270	M5	-	110 V
5776025280	M5	-	230 V
5776025302	M5	-	-
5776030220	M5	24 V	-
5776035280	M5	-	230 V
5776035302	M5	-	-

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776020220	-	-10% / +10%	-	-
5776025270	110 V	-	-20% / +10%	-10% / +20%
5776025280	230 V	-	-20% / +10%	-10% / +20%
5776025302	-	-	-	-
5776030220	-	-10% / +10%	-	-
5776035280	230 V	-	-20% / +10%	-10% / +20%
5776035302	-	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5776020220	2,1 W	-	-	-
5776025270	-	4,3 VA	3,3 VA	6,8 VA
5776025280	-	4,8 VA	4,1 VA	6,9 VA
5776025302	-	-	-	-
5776030220	2,1 W	-	-	-
5776035280	-	4,8 VA	4,1 VA	6,9 VA
5776035302	-	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

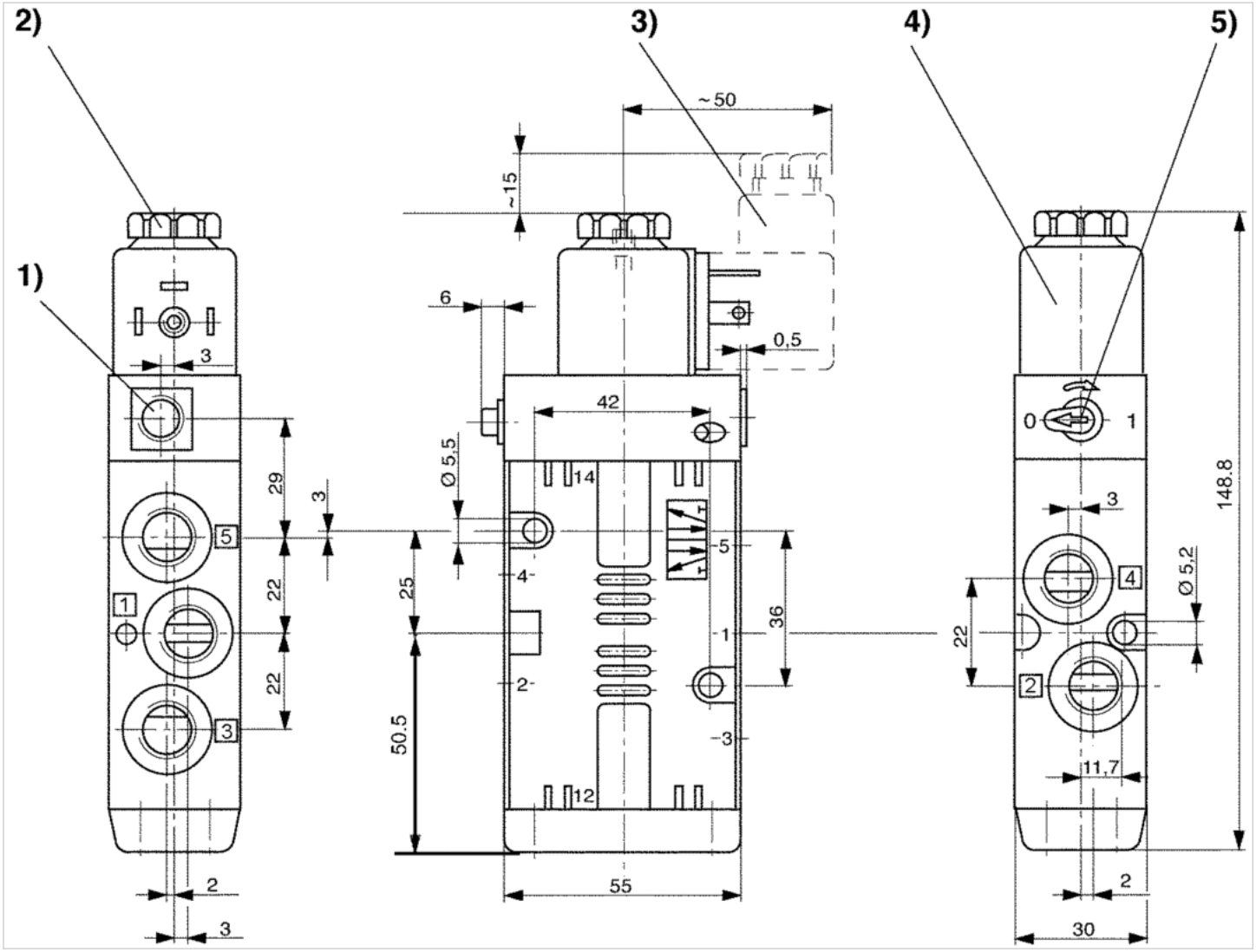
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced, Polyamide, fiber-glass reinforced, Die cast zinc
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : M14x1,5
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent
- Double solenoid
- Pilot : internal, external

Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-25 ... 50 °C
Medium temperature min./max.	-25 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	1200 l/min
Nominal flow 1 ▸ 2	1200 l/min
Nominal flow 2 ▸ 3	1200 l/min
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Mounting on manifold strip	P-strip, PRS strip
Weight	0,75 kg

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5776220220			M14x1,5	M14x1,5
5776225280			M14x1,5	M14x1,5
5776225302			M14x1,5	M14x1,5
5776230220			M14x1,5	M14x1,5
5776235280			M14x1,5	M14x1,5
5776235302			M14x1,5	M14x1,5

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Input
5776220220	M14x1,5	-
5776225280	M14x1,5	-
5776225302	M14x1,5	-
5776230220	M14x1,5	G 1/8
5776235280	M14x1,5	G 1/8
5776235302	M14x1,5	G 1/8

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot Exhaust	DC	AC 50 Hz
5776220220	M5	24 V	-
5776225280	M5	-	230 V
5776225302	M5	-	-
5776230220	M5	24 V	-
5776235280	M5	-	230 V
5776235302	M5	-	-

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776220220	-	-10% / +10%	-	-
5776225280	230 V	-	-20% / +10%	-10% / +20%
5776225302	-	-	-	-
5776230220	-	-10% / +10%	-	-
5776235280	230 V	-	-20% / +10%	-10% / +20%
5776235302	-	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5776220220	2,1 W	-	-	-
5776225280	-	4,8 VA	4,1 VA	6,9 VA
5776225302	-	-	-	-
5776230220	2,1 W	-	-	-
5776235280	-	4,8 VA	4,1 VA	6,9 VA
5776235302	-	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
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Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

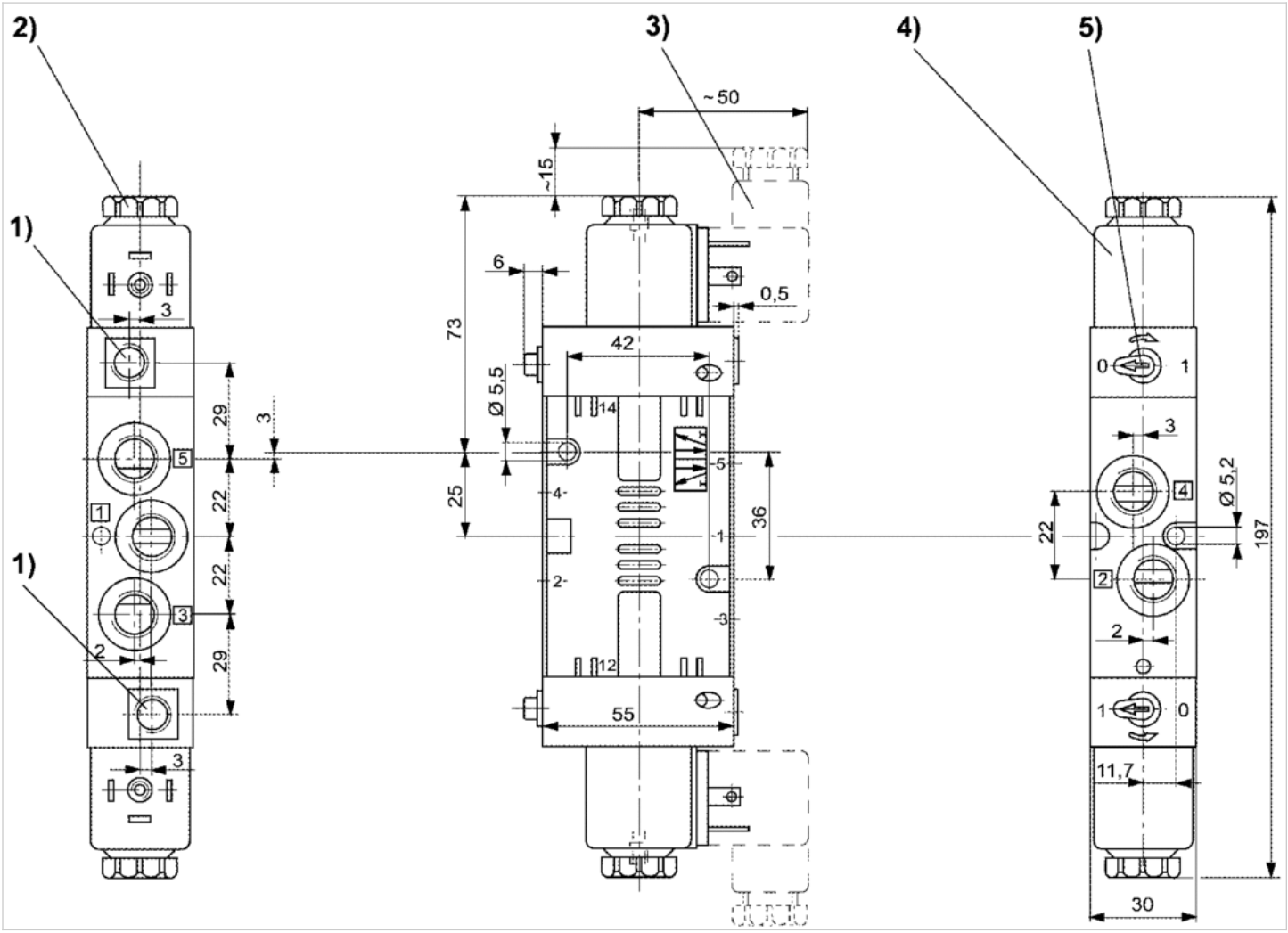
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions Fig. 1



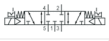
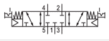
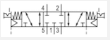
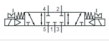
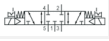
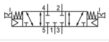
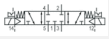
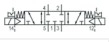
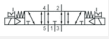
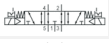
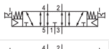
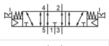
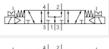
1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

5/3-directional valve, Series CD07

- Qn = 900 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent
- Double solenoid
- With spring return
- Pilot : internal, external

Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	See table below
Medium temperature min./max.	See table below
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	900 l/min
Nominal flow 1 ▸ 2	See table below
Nominal flow 2 ▸ 3	See table below
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Mounting on manifold strip	P-strip, PRS strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5777770220			G 1/4	G 1/4
5777775270			G 1/4	G 1/4
5777775280			G 1/4	G 1/4
5777775220			G 1/4	G 1/4
5777775302			G 1/4	G 1/4
5777955302			G 1/4	G 1/4
5777720220			G 1/4	G 1/4
5777725280			G 1/4	G 1/4
5777725302			G 1/4	G 1/4
R412003424			G 1/4	G 1/4
5777955280			G 1/4	G 1/4
5777760220			G 1/4	G 1/4
5777765270			G 1/4	G 1/4
5777765280			G 1/4	G 1/4
5777765302			G 1/4	G 1/4
5777945302			G 1/4	G 1/4
5777710220			G 1/4	G 1/4
5777715280			G 1/4	G 1/4
5777715302			G 1/4	G 1/4
5777750220			G 1/4	G 1/4
5777755280			G 1/4	G 1/4
5777755302			G 1/4	G 1/4
5777700220			G 1/4	G 1/4
5777705302			G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Input
5777770220	G 1/4	-
5777775270	G 1/4	-
5777775280	G 1/4	-
5777775220	G 1/4	-
5777775302	G 1/4	-
5777955302	G 1/4	G 1/8
5777720220	G 1/4	-
5777725280	G 1/4	-
5777725302	G 1/4	-
R412003424	G 1/4	G 1/8
5777955280	G 1/4	G 1/8
5777760220	G 1/4	-
5777765270	G 1/4	-
5777765280	G 1/4	-
5777765302	G 1/4	-
5777945302	G 1/4	G 1/8
5777710220	G 1/4	-
5777715280	G 1/4	-
5777715302	G 1/4	-

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Input
5777750220	G 1/4	-
5777755280	G 1/4	-
5777755302	G 1/4	-
5777700220	G 1/4	-
5777705302	G 1/4	-

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot Exhaust	DC	AC 50 Hz
5777770220	M5	24 V	-
5777775270	M5	-	110 V
5777775280	M5	-	230 V
5777775220	M5	-	24 V
5777775302	M5	-	-
5777955302	M5	-	-
5777720220	M5	24 V	-
5777725280	M5	-	230 V
5777725302	M5	-	-
R412003424	M5	24 V	-
5777955280	M5	-	230 V
5777760220	M5	24 V	-
5777765270	M5	-	110 V
5777765280	M5	-	230 V
5777765302	M5	-	-
5777945302	M5	-	-
5777710220	M5	24 V	-
5777715280	M5	-	230 V
5777715302	M5	-	-
5777750220	M5	24 V	-
5777755280	M5	-	230 V
5777755302	M5	-	-
5777700220	M5	24 V	-
5777705302	M5	-	-

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5777770220	-	-10% / +10%	-	-
5777775270	110 V	-	-20% / +10%	-10% / +20%
5777775280	230 V	-	-20% / +10%	-10% / +20%
5777775220	24 V	-	-20% / +10%	-10% / +20%
5777775302	-	-	-	-
5777955302	-	-	-	-
5777720220	-	-10% / +10%	-	-
5777725280	230 V	-	-20% / +10%	-10% / +20%
5777725302	-	-	-	-
R412003424	-	-10% / +10%	-	-
5777955280	230 V	-	-20% / +10%	-10% / +20%
5777760220	-	-10% / +10%	-	-
5777765270	110 V	-	-20% / +10%	-10% / +20%
5777765280	230 V	-	-20% / +10%	-10% / +20%

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5777765302	-	-	-	-
5777945302	-	-	-	-
5777710220	-	-10% / +10%	-	-
5777715280	230 V	-	-20% / +10%	-10% / +20%
5777715302	-	-	-	-
5777750220	-	-10% / +10%	-	-
5777755280	230 V	-	-20% / +10%	-10% / +20%
5777755302	-	-	-	-
5777700220	-	-10% / +10%	-	-
5777705302	-	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5777770220	2,1 W	-	-	-
5777775270	-	4,3 VA	3,3 VA	6,8 VA
5777775280	-	4,8 VA	4,1 VA	6,9 VA
5777775220	-	4,3 VA	3,2 VA	6,9 VA
5777775302	-	-	-	-
5777955302	-	-	-	-
5777720220	2,1 W	-	-	-
5777725280	-	4,8 VA	4,1 VA	6,9 VA
5777725302	-	-	-	-
R412003424	2,1 W	-	-	-
5777955280	-	4,8 VA	4,1 VA	6,9 VA
5777760220	2,1 W	-	-	-
5777765270	-	4,3 VA	3,3 VA	6,8 VA
5777765280	-	4,8 VA	4,1 VA	6,9 VA
5777765302	-	-	-	-
5777945302	-	-	-	-
5777710220	2,1 W	-	-	-
5777715280	-	4,8 VA	4,1 VA	6,9 VA
5777715302	-	-	-	-
5777750220	2,1 W	-	-	-
5777755280	-	4,8 VA	4,1 VA	6,9 VA
5777755302	-	-	-	-
5777700220	2,1 W	-	-	-
5777705302	-	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

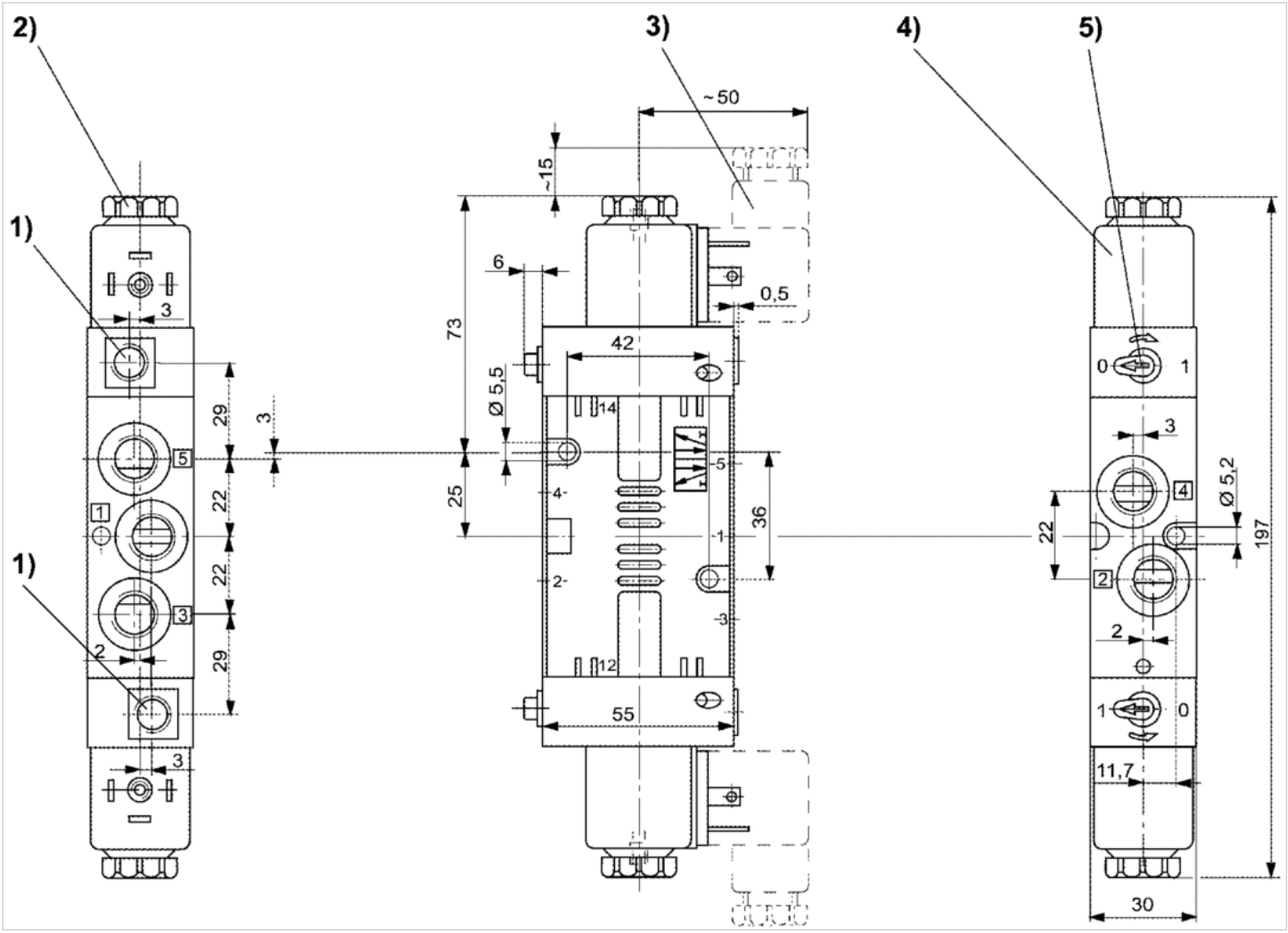
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

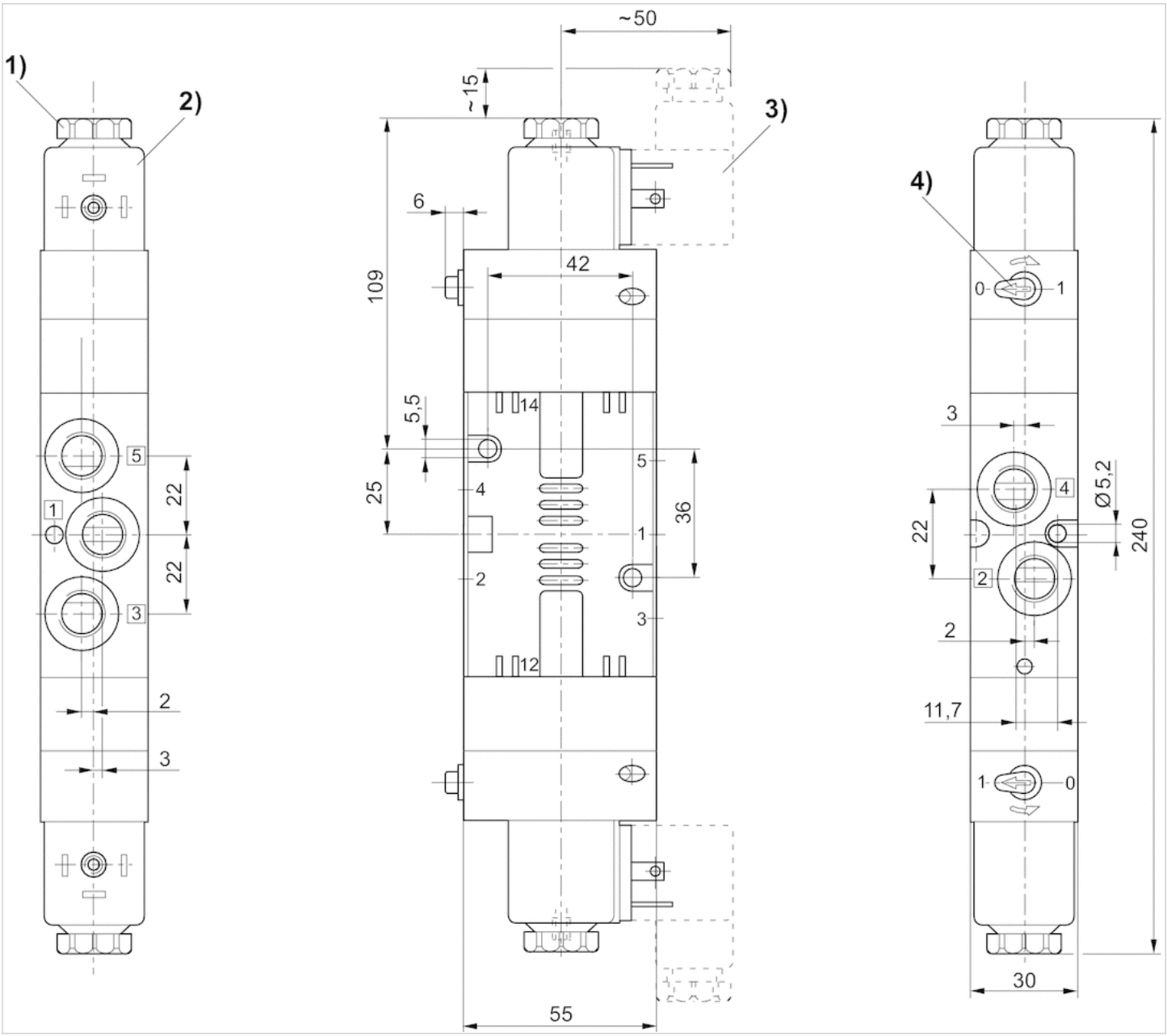
Dimensions

Dimensions Fig. 1



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

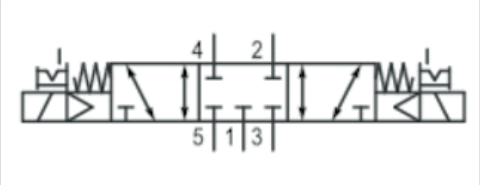
Fig. 2



1) After removal of cap M5 internal thread 2) Coil can be plugged at 45° intervals 3) Valve plug connector4) Manual override

5/3-directional valve, Series CD07

- Qn = 900 l/min
- Pilot valve width : 30 mm
- closed center
- Pipe connection
- Compressed air connection output : M14x1,5
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- cold-resistant
- Manual override : with detent
- Double solenoid
- With spring return
- Pilot : internal



Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	3,5 ... 10 bar
Control pressure min./max.	3,5 ... 10 bar
Ambient temperature min./max.	-30 ... 70 °C
Medium temperature min./max.	-30 ... 70 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	900 l/min
Nominal flow 1 ▸ 2	900 l/min
Nominal flow 2 ▸ 3	900 l/min
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class,with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Compatibility index	14
Duty cycle	100 %
Typ. switch-on time	25 ms
Typ. switch-off time	55 ms
Mounting on manifold strip	P-strip, PRS strip
Weight	0,72 kg

Technical data

Part No.	MO	Compressed air connection	Compressed air connection
		Input	Output
5776920270		M14x1,5	M14x1,5

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Exhaust	Pilot Exhaust	DC
5776920270	M14x1,5	M5	110 V

Part No.	Voltage tolerance	Power consumption
	DC	DC
5776920270	-30% / +30%	6 W

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

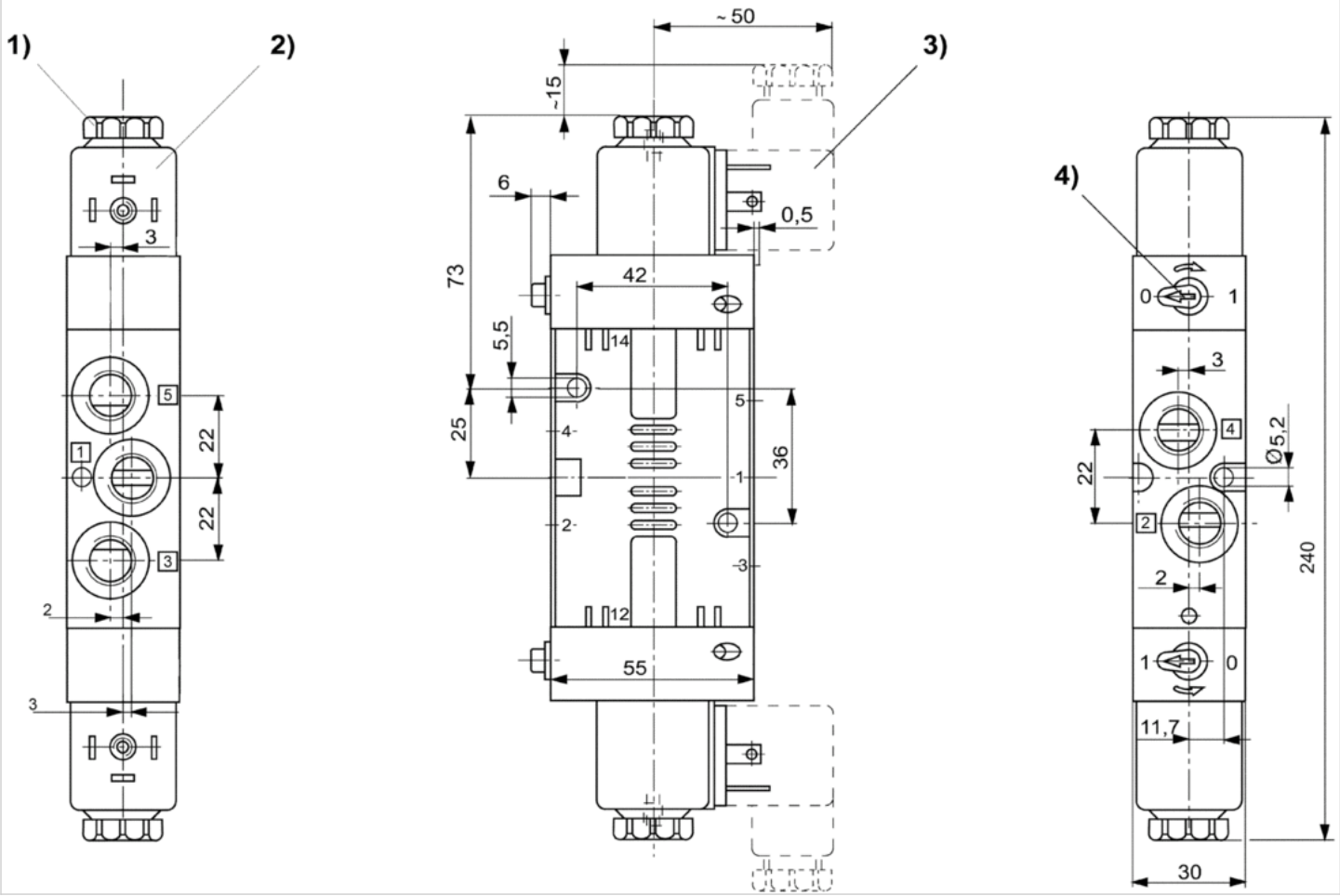
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Polyurethane

Dimensions

Dimensions



1) After removal of cap M5 internal thread 2) Coil can be plugged at 45° intervals 3) Valve plug connector4) Manual override

5/2-directional valve, Series CD07

- Valves with Namur port as per VDI/VDE3845
- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : Namur base plate
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent
- single solenoid
- With spring return
- Pilot : internal

Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	3 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-25 ... 50 °C
Medium temperature min./max.	-25 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	1200 l/min
Nominal flow 1 ▸ 2	1200 l/min
Nominal flow 2 ▸ 3	1200 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5776600220			G 1/4	Namur base plate
5776605280			G 1/4	Namur base plate
5776605302			G 1/4	Namur base plate

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Exhaust	Pilot Exhaust	DC
5776600220	G 1/4	M5	24 V
5776605280	G 1/4	M5	-
5776605302	G 1/4	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5776600220	-	-	-10% / +10%	-
5776605280	230 V	230 V	-	-20% / +10%
5776605302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776600220	-	2,1 W	-	-
5776605280	-10% / +20%	-	4,8 VA	4,1 VA
5776605302	-	-	-	-

Part No.	Switch-on power	Switch-on power	Typ. switch-on time	Typ. switch-off time
	AC 50 Hz	AC 60 Hz		
5776600220	-	-	25 ms	45 ms
5776605280	6,9 VA	5,8 VA	25 ms	45 ms
5776605302	-	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

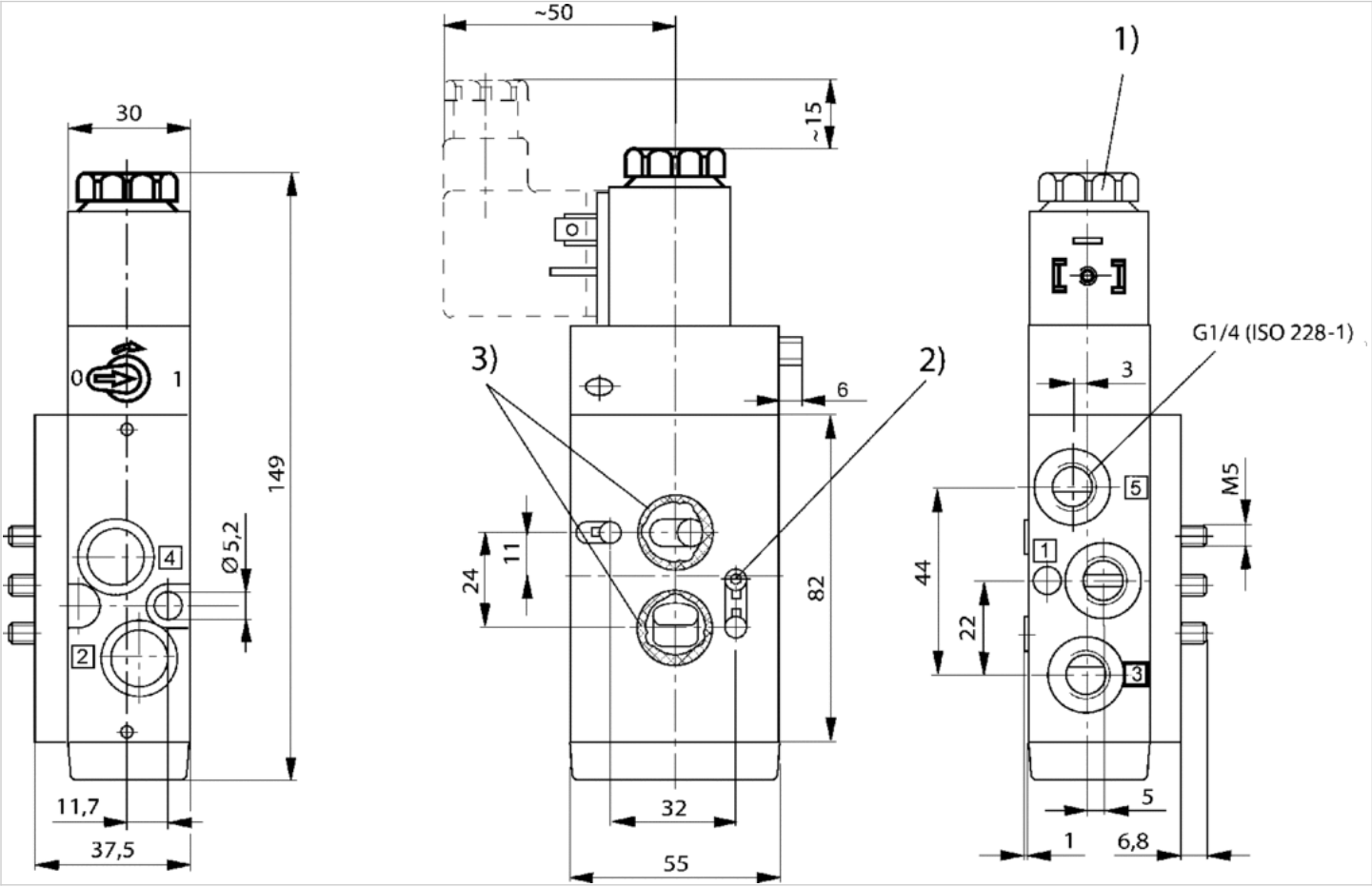
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

Material	
Housing	Polyamide, fiber-glass reinforced, Die cast zinc
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) after removal of cap M 5 internal thread 2) threaded pin DIN 914 M5 x 20 3) O-ring 16 x 2 (included)

5/2-directional valve, Series CD07

- Valves with Namur port as per VDI/VDE3845
- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : Namur base plate
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent
- Double solenoid
- Pilot : internal

Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	2 ... 10 bar
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-25 ... 50 °C
Medium temperature min./max.	-25 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	1200 l/min
Nominal flow 1 ▸ 2	1200 l/min
Nominal flow 2 ▸ 3	1200 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5776620220			G 1/4	Namur base plate
5776625280			G 1/4	Namur base plate
5776625302			G 1/4	Namur base plate

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Exhaust	Pilot Exhaust	DC
5776620220	G 1/4	M5	24 V
5776625280	G 1/4	M5	-
5776625302	G 1/4	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5776620220	-	-	-10% / +10%	-
5776625280	230 V	230 V	-	-20% / +10%
5776625302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776620220	-	2,1 W	-	-
5776625280	-10% / +20%	-	4,8 VA	4,1 VA
5776625302	-	-	-	-

Part No.	Switch-on power	Switch-on power	Typ. switch-on time	Typ. switch-off time
	AC 50 Hz	AC 60 Hz		
5776620220	-	-	21 ms	21 ms
5776625280	6,9 VA	5,8 VA	21 ms	21 ms
5776625302	-	-	-	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

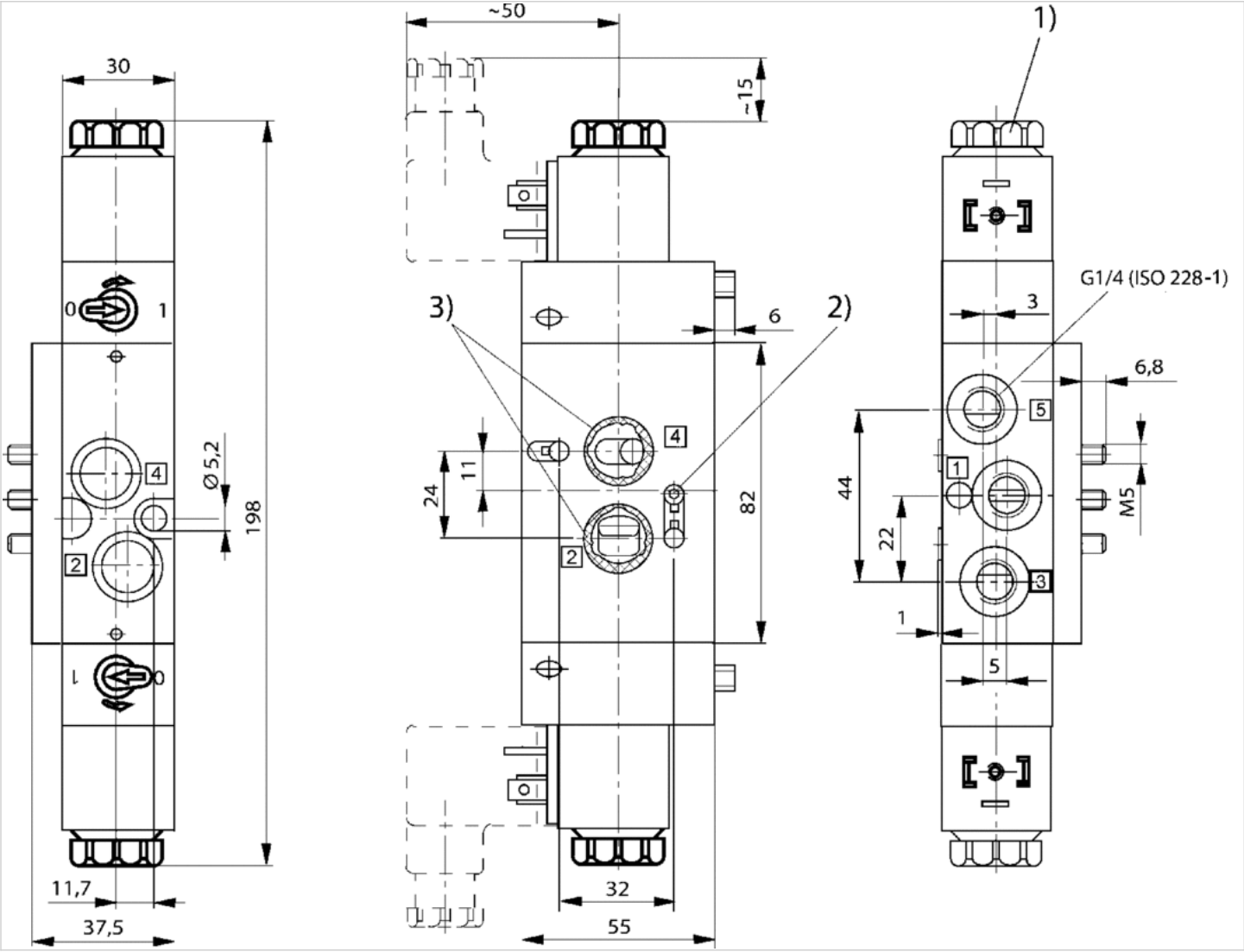
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



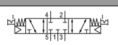
1) after removal of cap M 5 internal thread 2) threaded pin DIN 914 M5 x 20 3) O-ring 16 x 2 (included)

5/3-directional valve, Series CD07

- Valves with Namur port as per VDI/VDE3845
- Qn = 900 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : Namur base plate
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent
- Double solenoid
- Pilot : internal
- ATEX optional

Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	0 ... 50 °C
Medium temperature min./max.	0 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	900 l/min
Nominal flow 1 ▸ 2	See table below
Nominal flow 2 ▸ 3	See table below
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
R412011157			G 1/4	Namur base plate
R412011158			G 1/4	Namur base plate
R412011159			G 1/4	Namur base plate

Part No.	Compressed air connection	Compressed air connection	Nominal flow 1 ▸ 2
	Exhaust	Pilot Exhaust	
R412011157	G 1/4	M5	1070 l/min
R412011158	G 1/4	M5	1030 l/min
R412011159	G 1/4	M5	960 l/min

Part No.	Nominal flow 2 ▸ 3	basic valve with electrical connector	ATEX
R412011157	950 l/min	Basic valve without coil	ATEX optional
R412011158	880 l/min	Basic valve without coil	ATEX optional

Part No.	Nominal flow 2 ▸ 3	basic valve with electrical connector	ATEX
R412011159	900 l/min	Basic valve without coil	ATEX optional

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

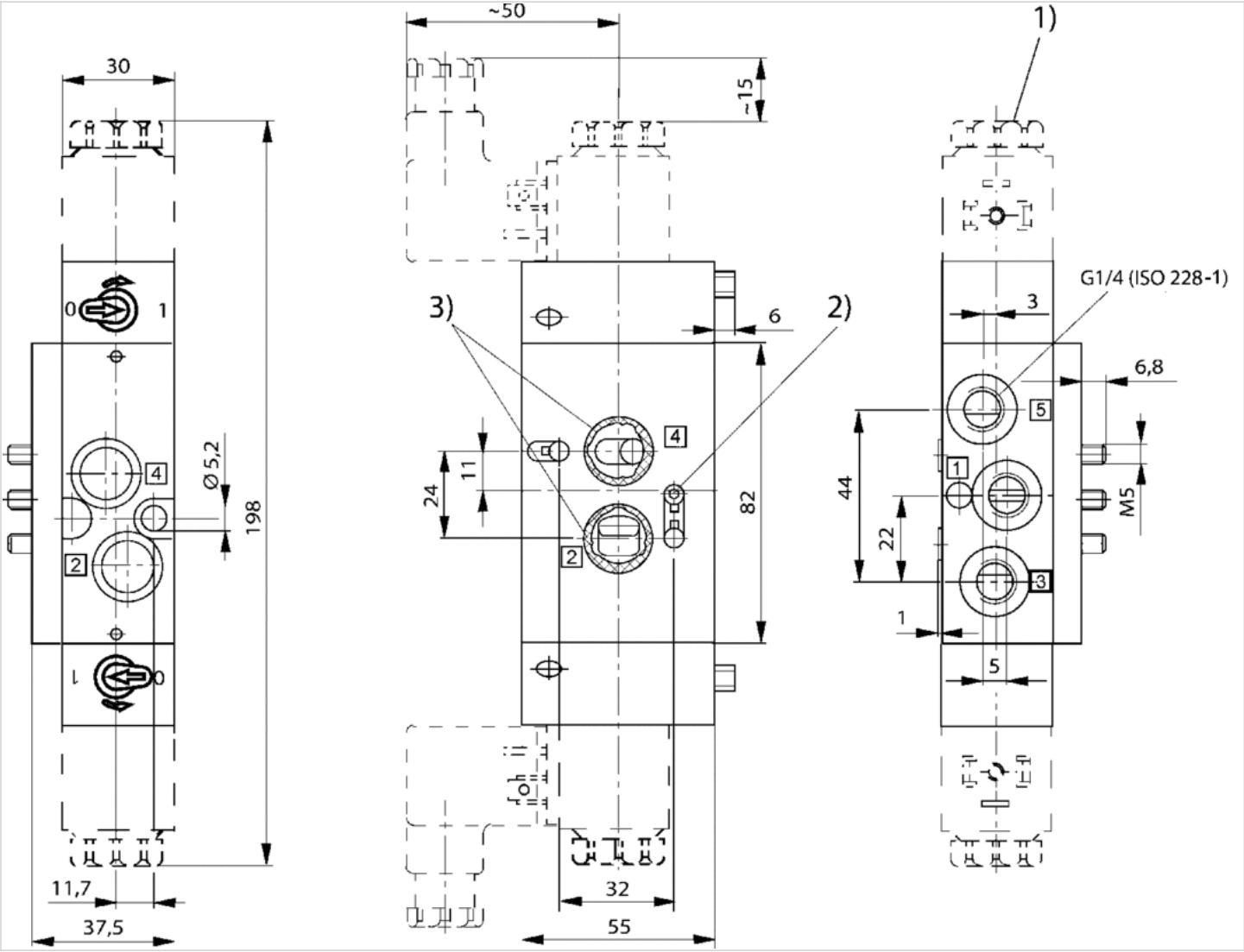
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

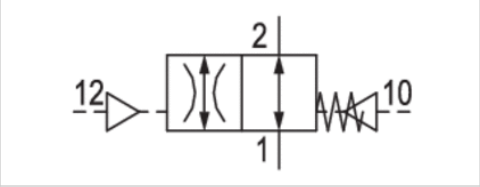
Dimensions



1) after removal of cap M 5 internal thread 2) threaded pin DIN 914 M5 x 20 3) O-ring 16 x 2 (included)

2/2-directional valve, Series CD07

- Qn = 1400 l/min
- Qn 1▸2 = 1400 l/min
- Compressed air connection output M14x1,5
- Single air pilot, double air pilot
- Pipe connection
- suitable for ATEX



Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Flow rate value Qn	1400 l/min
Flow rate value Qn 1▸2	1400 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	2,5 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	0,4 kg

Technical data

Part No.		Compressed air connection	Compressed air connection
		Input	Output
5710409000	NO	M14x1,5	M14x1,5

Part No.	Compressed air connection
	Pilot control exhaust
5710409000	M10x1, M16x1

Nominal flow Qn at 6 bar and Δp = 1 bar, Nominal flow Qn (1▸2) can be throttled up to 100 l/min .

Technical information

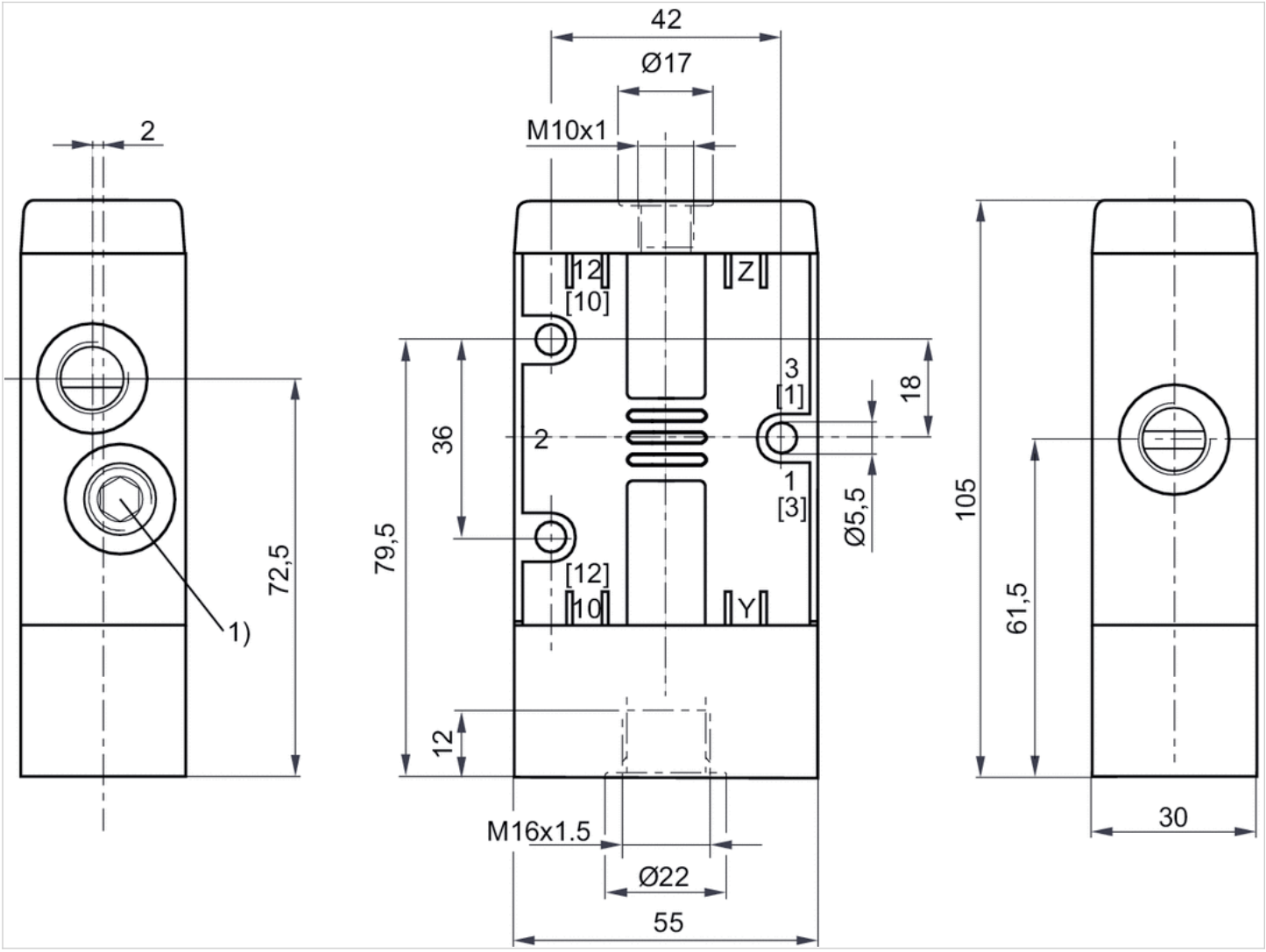
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Blanking screw

3/2-directional valve, Series CD07

- Qn = 1400 l/min
- Compressed air connection output G 1/4
- Pipe connection
- suitable for ATEX

Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Flow rate value Qn	1400 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	0,4 kg

Technical data

Part No.			Compressed air connection	Compressed air connection
			Input	Output
5710400100		NC, NO	G 1/4	G 1/4
5710401100		NC, NO	G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection	Control pressure min./max.
	Exhaust	Pilot control exhaust	
5710400100	G 1/4	G 1/8	3 ... 10 bar
5710401100	G 1/4	G 1/8	2 ... 10 bar

Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

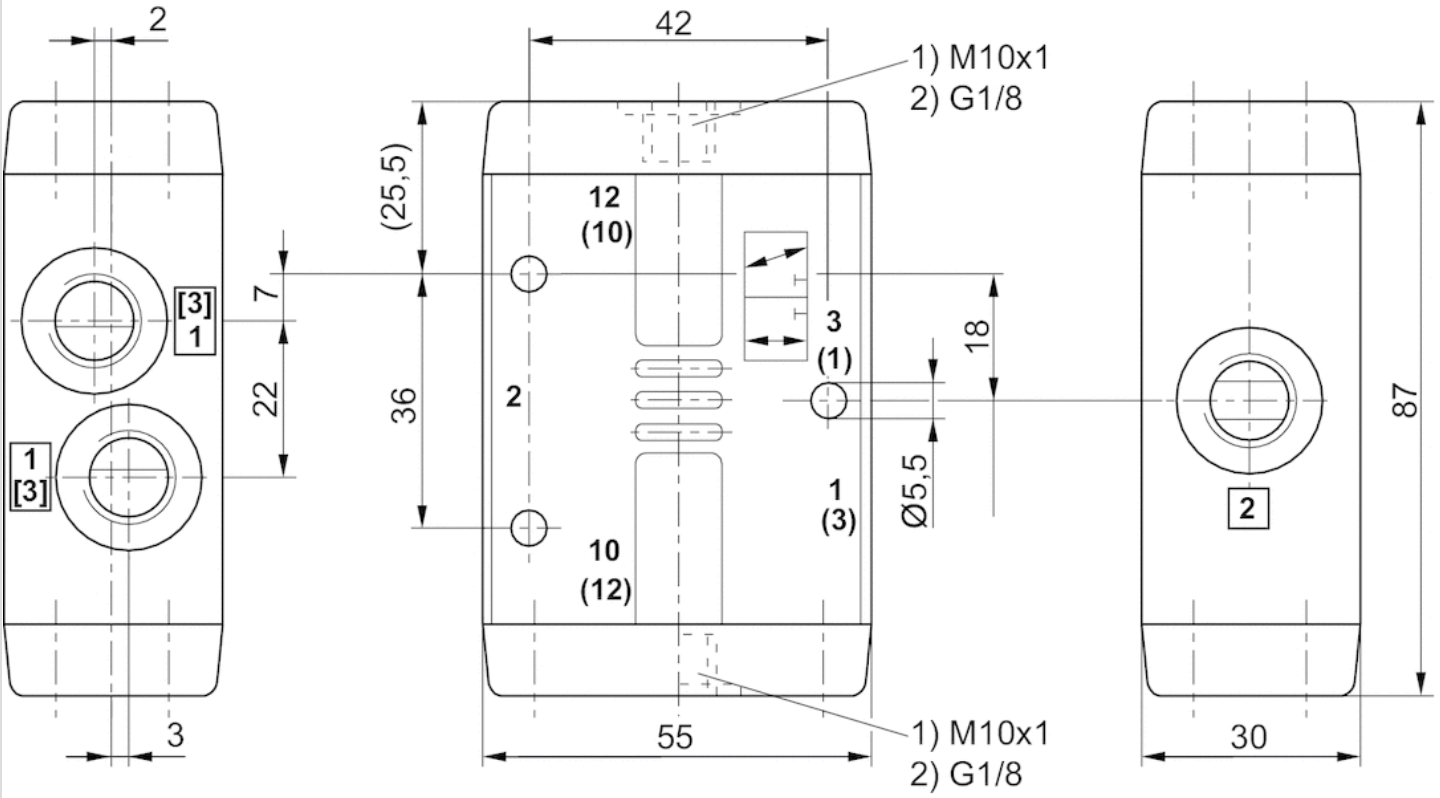
option valve: The input and output compressed air connections can be exchanged.The valve can thereby be used in the NC or NO operating mode.

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



3/2-directional valve, Series CD07

- Qn = 1400 l/min
- Compressed air connection output M14x1,5
- Pipe connection
- suitable for ATEX

Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Flow rate value Qn	1400 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	See table below
Medium temperature min./max.	See table below
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	0,4 kg

Technical data

Part No.			Compressed air connection	Compressed air connection
			Input	Output
5710400000		NC, NO	M14x1,5	M14x1,5
5710400090		NC, NO	M14x1,5	M14x1,5
5710401000		NC, NO	M14x1,5	M14x1,5

Part No.	Compressed air connection	Compressed air connection	Control pressure min./max.
	Exhaust	Pilot control exhaust	
5710400000	M14x1,5	M10x1	3 ... 10 bar
5710400090	M14x1,5	M10x1	4 ... 10 bar
5710401000	M14x1,5	M10x1	2 ... 10 bar

Part No.	Ambient temperature min./max.	Medium temperature min./max.	
5710400000	-25 ... 80 °C	-25 ... 80 °C	-
5710400090	-35 ... 80 °C	-35 ... 80 °C	1)
5710401000	-25 ... 80 °C	-25 ... 80 °C	-

Nominal flow Qn at 6 bar and Δp = 1 bar

1) cold-resistant

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

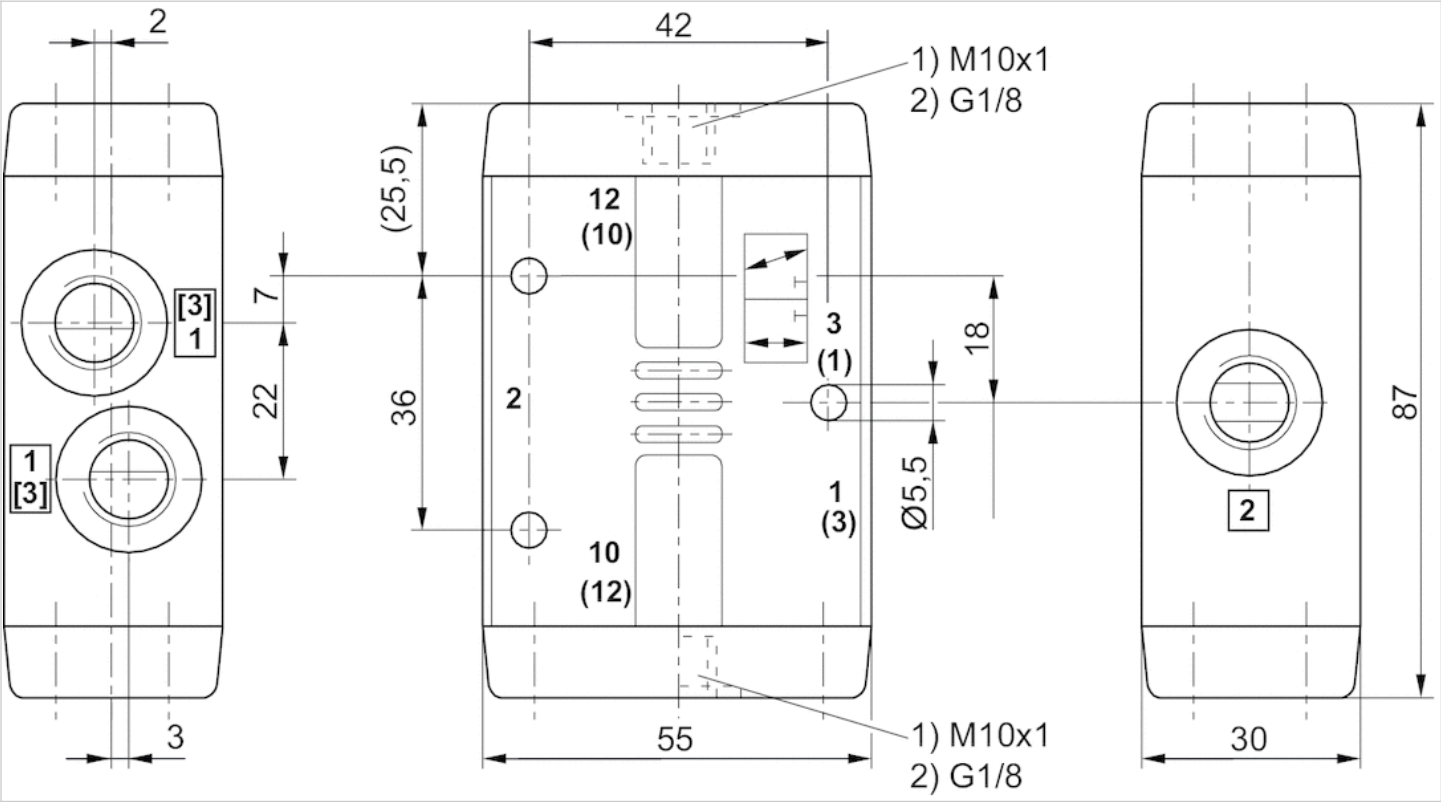
option valve: The input and output compressed air connections can be exchanged.The valve can thereby be used in the NC or NO operating mode.

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Compressed air connection output G 1/4
- Pipe connection
- suitable for ATEX

Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Compressed air connection	according to ISO 228-1
Flow rate value Qn	1200 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Mounting on manifold strip	P-strip, PRS strip
Weight	0,5 kg

Technical data

Part No.		Compressed air connection	Compressed air connection
		Input	Output
5710500100		G 1/4	G 1/4
5710501100		G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection	Control pressure min./max.
	Exhaust	Pilot control exhaust	
5710500100	G 1/4	G 1/8	3 ... 10 bar
5710501100	G 1/4	G 1/8	2 ... 10 bar

Nominal flow Qn at 6 bar and Δp = 1 bar, Protected against dust

Technical information

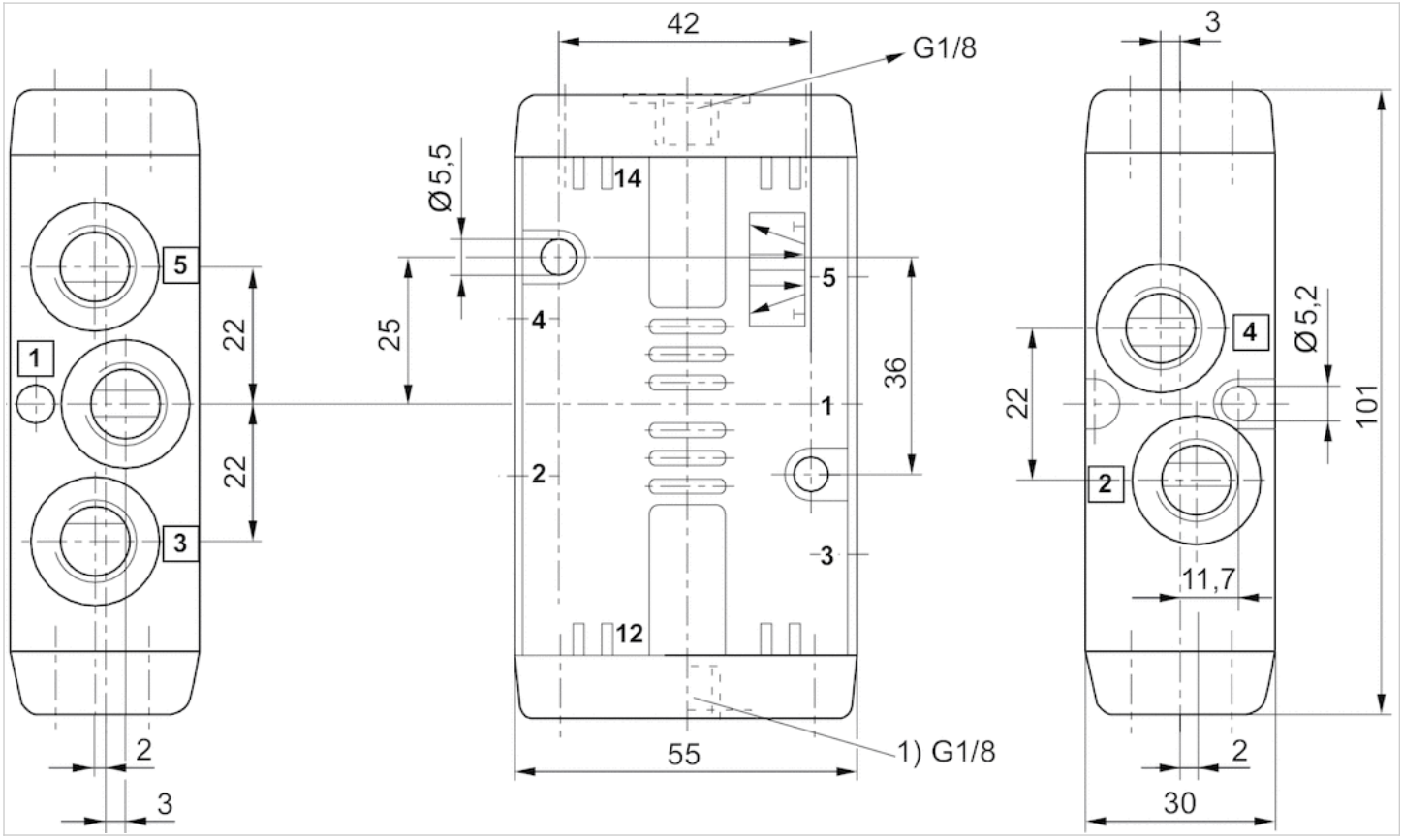
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Part No.: 5710501100

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Compressed air connection output M14x1,5
- Pipe connection
- suitable for ATEX

Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Flow rate value Qn	1200 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Mounting on manifold strip	P-strip, PRS strip
Weight	0,5 kg

Technical data

Part No.		Compressed air connection	Compressed air connection
		Input	Output
5710500000		M14x1,5	M14x1,5
5710509300		M14x1,5	M14x1,5
5710501000		M14x1,5	M14x1,5

Part No.	Compressed air connection	Compressed air connection	Control pressure min./max.
	Exhaust	Pilot control exhaust	
5710500000	M14x1,5	M10x1	3 ... 10 bar
5710509300	M14x1,5	M10x1	3 ... 10 bar
5710501000	M14x1,5	M10x1	2 ... 10 bar

Part No.	
5710500000	-
5710509300	1)
5710501000	-

Nominal flow Qn at 6 bar and Δp = 1 bar

1) Protected against dust

Technical information

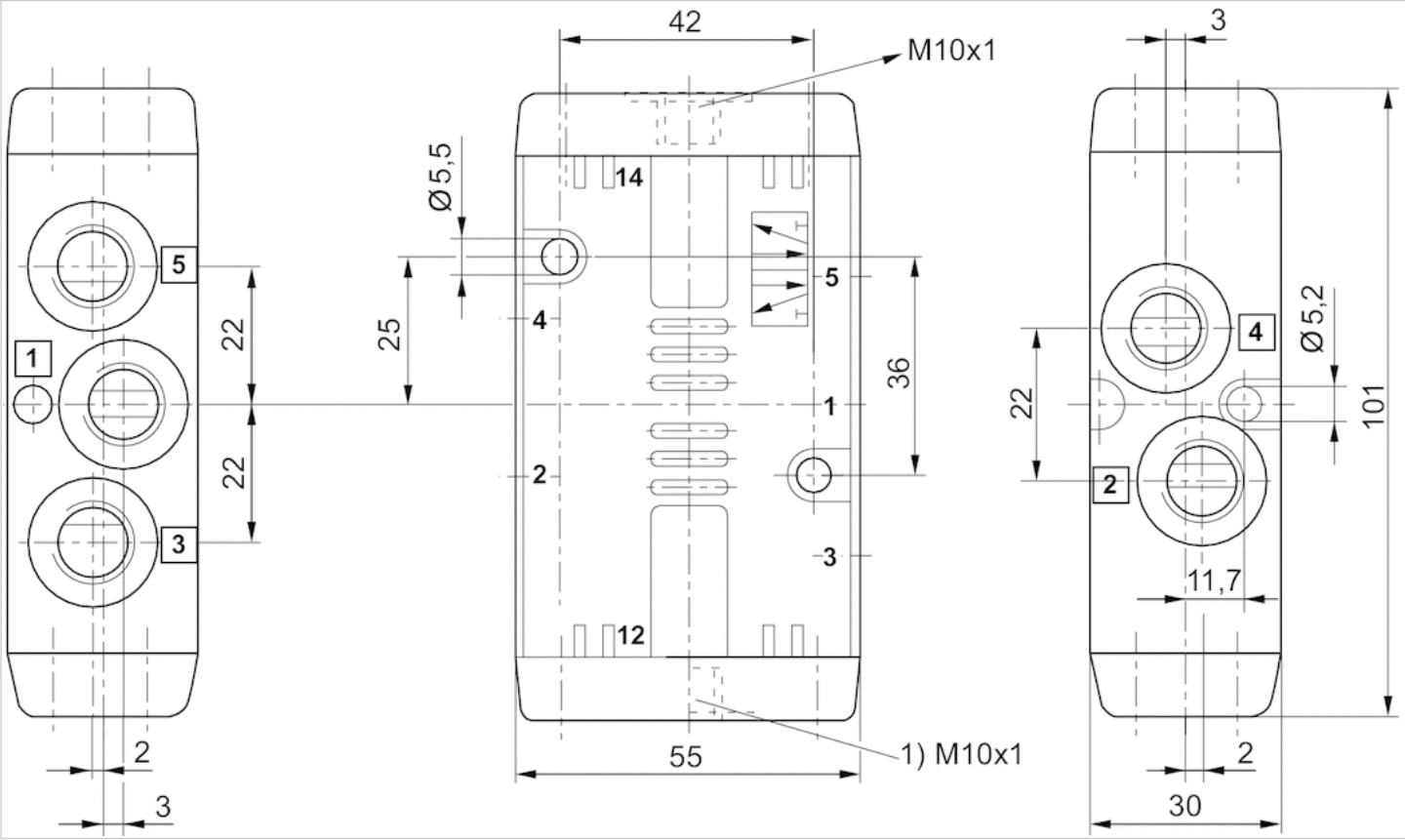
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Part No.: 5710501000

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Compressed air connection output G 1/4
- Pipe connection
- cold-resistant
- suitable for ATEX

Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Compressed air connection	according to ISO 228-1
Flow rate value Qn	1200 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	-40 ... 70 °C
Medium temperature min./max.	-40 ... 70 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Mounting on manifold strip	P-strip, PRS strip
Weight	0,5 kg

Technical data

Part No.		Compressed air connection	Compressed air connection
		Input	Output
5710500190		G 1/4	G 1/4
5710501190		G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection	Control pressure min./max.
	Exhaust	Pilot control exhaust	
5710500190	G 1/4	G 1/8	3,5 ... 10 bar
5710501190	G 1/4	G 1/8	3 ... 10 bar

Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

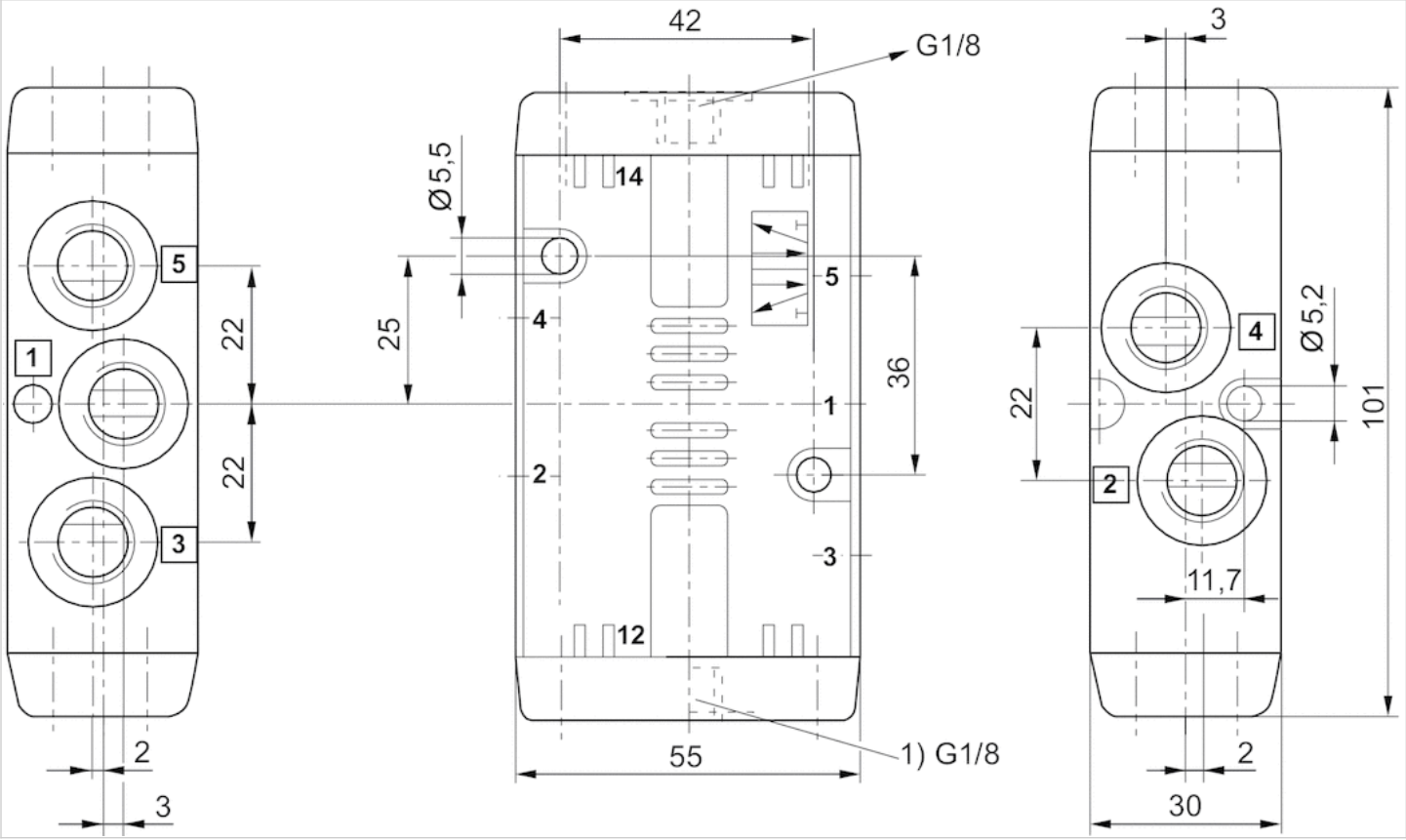
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

Dimensions



1) Part No.: 5710501190

5/3-directional valve, Series CD07

- Qn = 900 l/min
- Qn 1▸2 = 960-1070 l/min
- Qn 2▸3 = 880-950 l/min
- Compressed air connection output G 1/4
- double air pilot
- Pipe connection
- suitable for ATEX

Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Compressed air connection	according to ISO 228-1
Flow rate value Qn	900 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Mounting on manifold strip	P-strip, PRS strip
Weight	1,15 kg

Technical data

Part No.			Compressed air connection
			Input
5710502100		pressurized center	G 1/4
5710502110		exhausted center	G 1/4
5710502120		closed center	G 1/4

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
5710502100	G 1/4	G 1/4
5710502110	G 1/4	G 1/4
5710502120	G 1/4	G 1/4

Part No.	Compressed air connection	Flow	Flow
	Pilot control exhaust	Qn 1▸2	Qn 2▸3
5710502100	G 1/8	960 l/min	-
5710502110	G 1/8	1030 l/min	880 l/min
5710502120	G 1/8	1070 l/min	950 l/min

Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

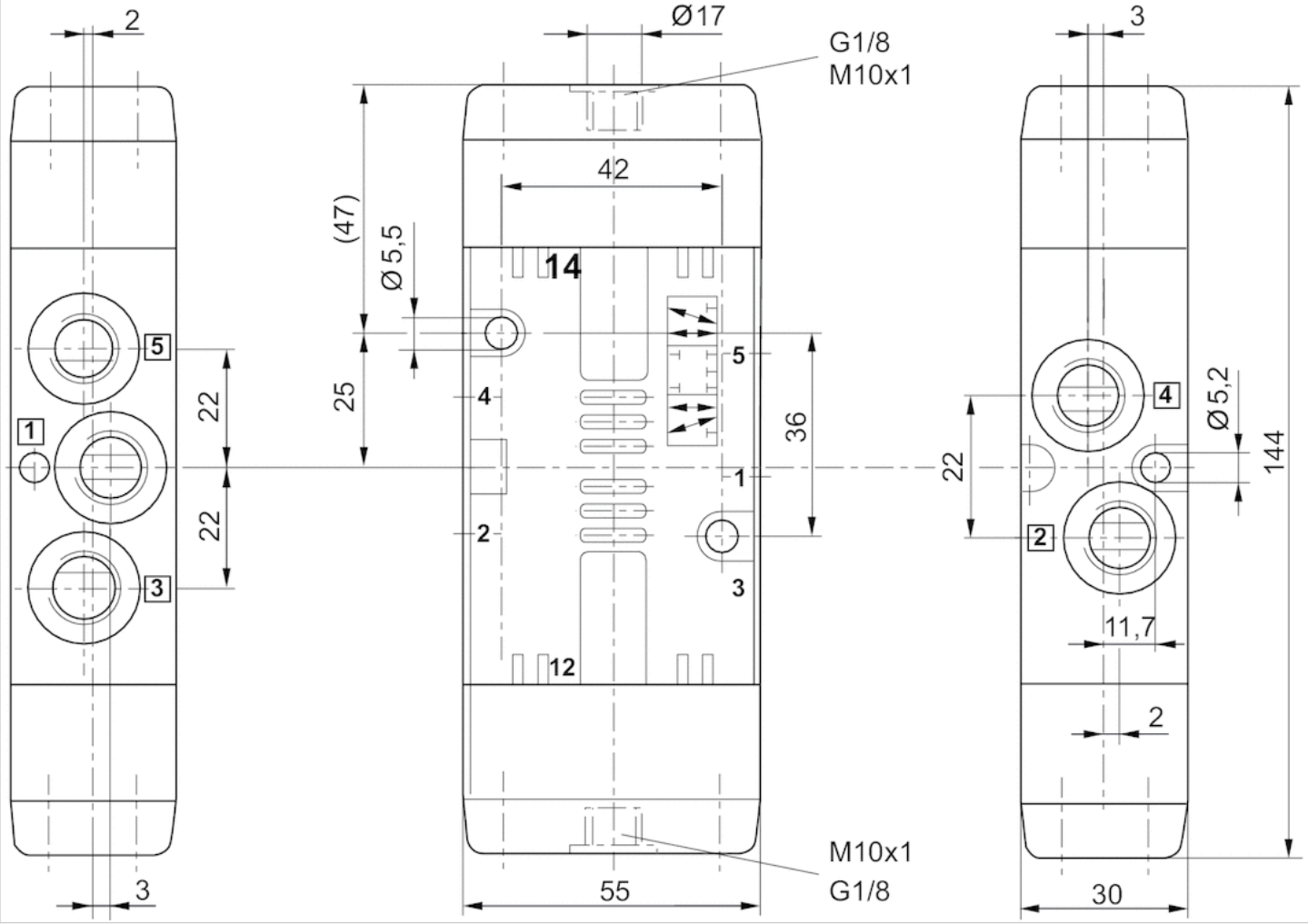
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

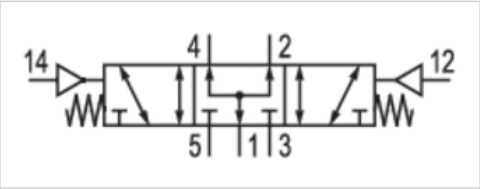
Dimensions

Dimensions



5/3-directional valve, Series CD07

- Qn 1▸2 = 960 l/min
- Qn 2▸3 = 900 l/min
- Compressed air connection output M14x1,5
- double air pilot
- Pipe connection
- suitable for ATEX



Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Flow rate value Qn 1▸2	960 l/min
Flow rate value Qn 2▸3	900 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Mounting on manifold strip	P-strip, PRS strip
Weight	1,15 kg

Technical data

Part No.	Compressed air connection	Compressed air connection
	Input	Output
R412008118	M14x1,5	M14x1,5

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot control exhaust
R412008118	M14x1,5	M10x1

Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

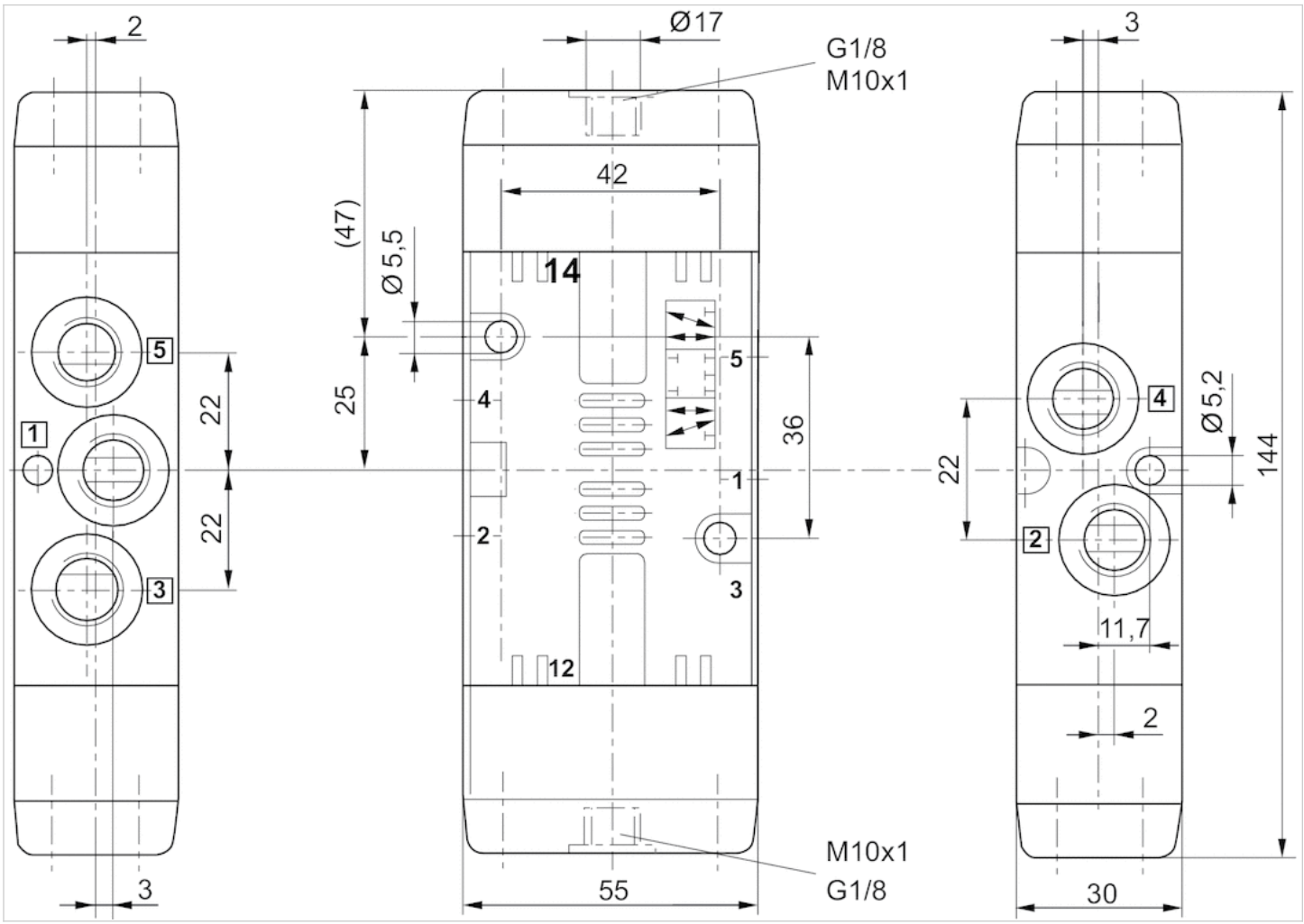
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



3/2-directional valve, Series CD07

- Qn = 1400 l/min
- Compressed air connection output G 1/4
- Pipe connection
- suitable for ATEX

Version	Spool valve, positive overlapping
Activation	Mechanical
Switching principle	3/2
Sealing principle	Soft sealing
Nominal flow Qn	1400 l/min
Compressed air connection	according to ISO 228-1
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Oil content of compressed air	0 ... 1 mg/m³
Weight	See table below

Technical data

Part No.		Actuating element	Version
5634400100		Plunger	NC, NO
5634409010		Plunger	-
5634410100		Roller	NC, NO
5634411100		Roller	-
5634430100		Hand lever, with detent, without detent	NC, NO
5634440100		Hand lever	NC, NO
5634450100		Lever, horizontal, with detent	NC, NO
5634460100		Button	NC, NO
5634461100		Button	NC, NO

Part No.	Compressed air connection	Compressed air connection
	Input	Output
5634400100	G 1/4	G 1/4
5634409010	G 1/4	G 1/4
5634410100	G 1/4	G 1/4
5634411100	G 1/4	G 1/4
5634430100	G 1/4	G 1/4
5634440100	G 1/4	G 1/4
5634450100	G 1/4	G 1/4
5634460100	G 1/4	G 1/4
5634461100	G 1/4	G 1/4

Part No.	Compressed air connection	Compressed air connection	Operating force
	Exhaust	Pilot control exhaust	min.
5634400100	G 1/4	-	70 N
5634409010	G 1/4	-	40 N

Part No.	Compressed air connection	Compressed air connection	Operating force
	Exhaust	Pilot control exhaust	min.
5634410100	G 1/4	-	40 N
5634411100	G 1/4	G 1/8	40 N
5634430100	G 1/4	-	20 N
5634440100	G 1/4	-	15 N
5634450100	G 1/4	-	15 N
5634460100	G 1/4	-	70 N
5634461100	G 1/4	G 1/8	40 N

Part No.	Control pressure min./max.	Housing material
5634400100	-	Die cast zinc, Polyamide, fiber-glass reinforced
5634409010	-	Die cast zinc
5634410100	-	Die cast zinc, Polyamide, fiber-glass reinforced
5634411100	2 ... 10 bar	Die cast zinc
5634430100	-	Die cast zinc, Polyamide, fiber-glass reinforced
5634440100	-	Die cast zinc, Polyamide, fiber-glass reinforced
5634450100	-	Die cast zinc, Polyamide, fiber-glass reinforced
5634460100	-	Die cast zinc, Polyamide, fiber-glass reinforced
5634461100	2 ... 10 bar	Die cast zinc, Polyamide, fiber-glass reinforced

Part No.	Material actuating control	Weight	Fig.
5634400100	Stainless steel	0,45 kg	Fig. 1
5634409010	Stainless steel	0,45 kg	Fig. 2
5634410100	Stainless steel	0,5 kg	Fig. 3
5634411100	Stainless steel	0,5 kg	Fig. 4
5634430100	Polyoxymethylene	0,53 kg	Fig. 5
5634440100	Polyoxymethylene	0,5 kg	Fig. 6
5634450100	Polyoxymethylene	0,55 kg	Fig. 7
5634460100	Polyoxymethylene	0,45 kg	Fig. 8
5634461100	Polyoxymethylene	0,45 kg	Fig. 8

Nominal flow Qn at 6 bar and Δp = 1 bar

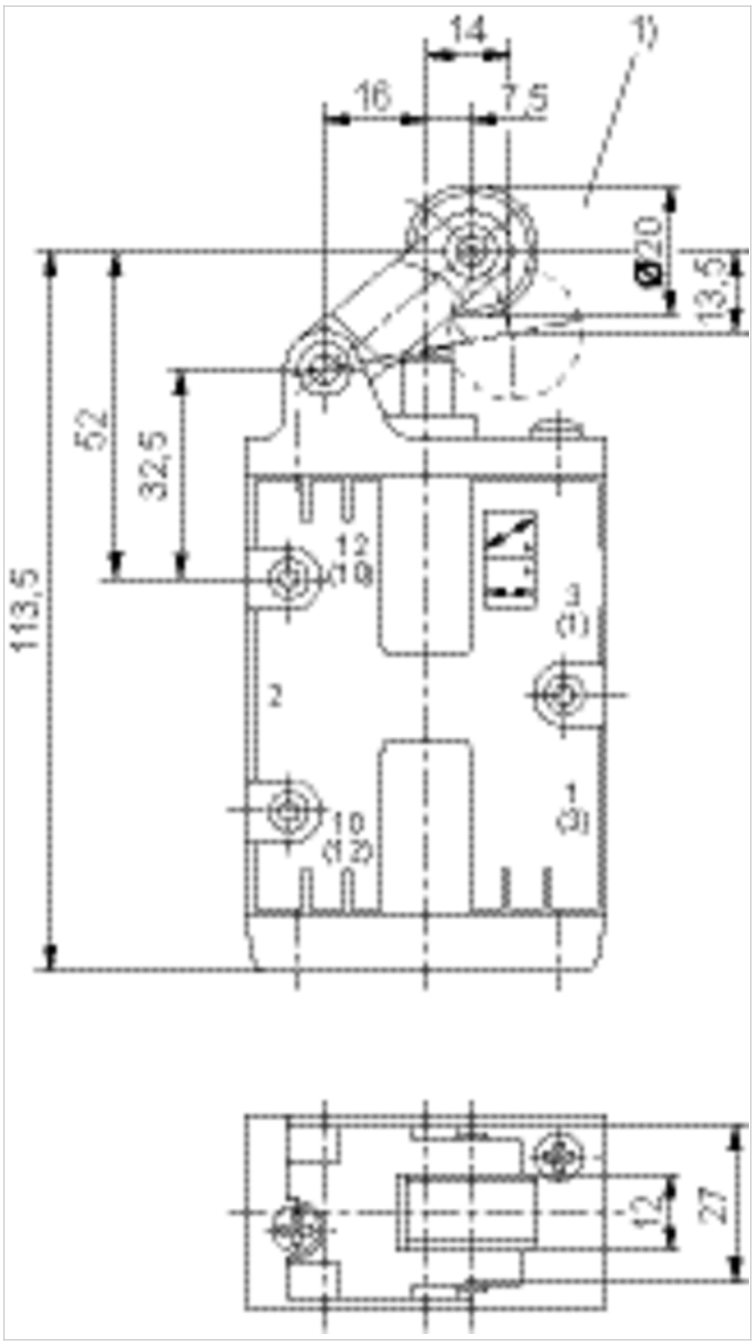
Technical information

option valve: The input and output compressed air connections can be exchanged.The valve can thereby be used in the NC or NO operating mode.

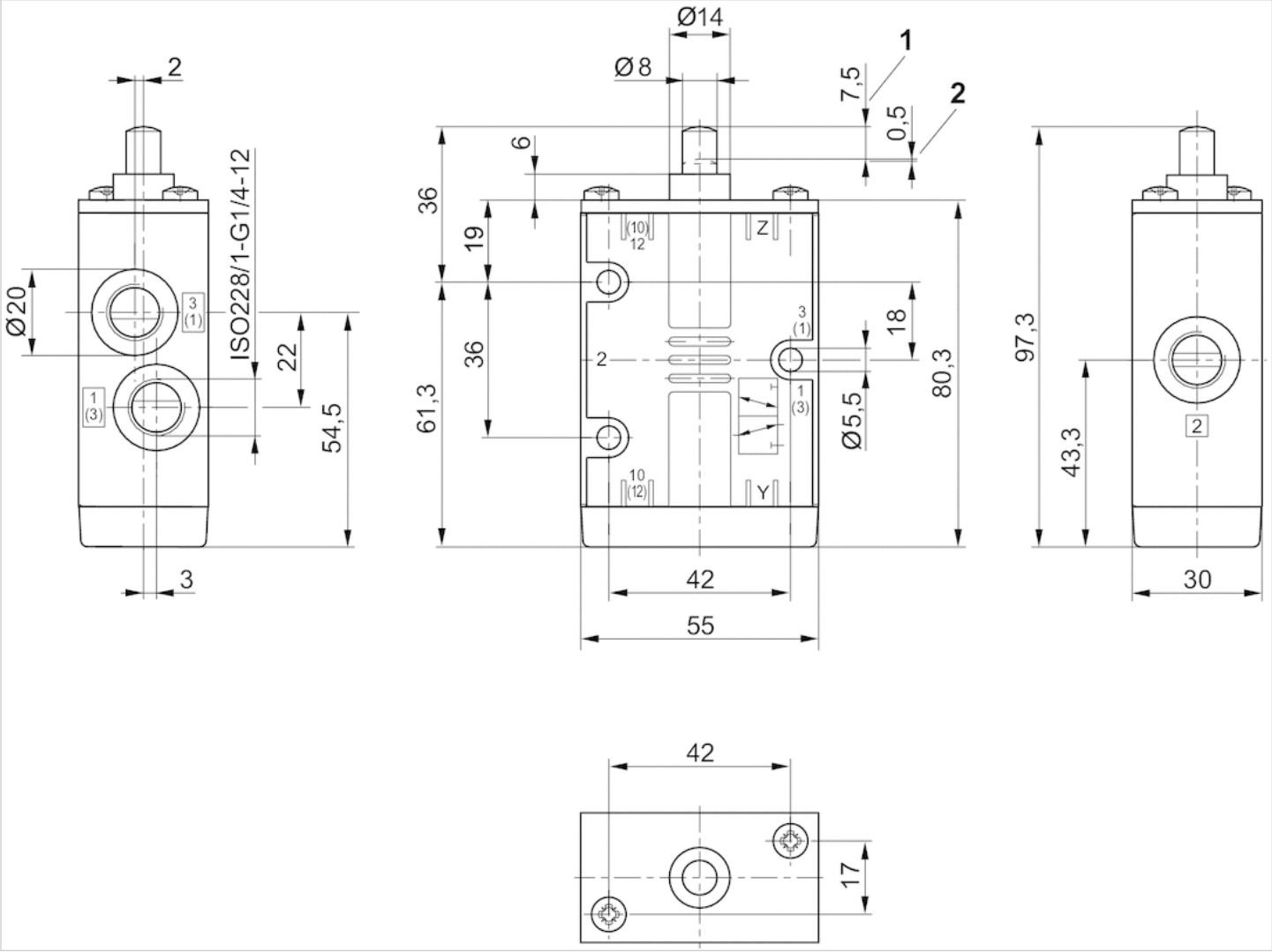
Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced, Die cast zinc
Seals	Acrylonitrile butadiene rubber
Actuating element	Stainless steel, Polyoxymethylene

Dimensions

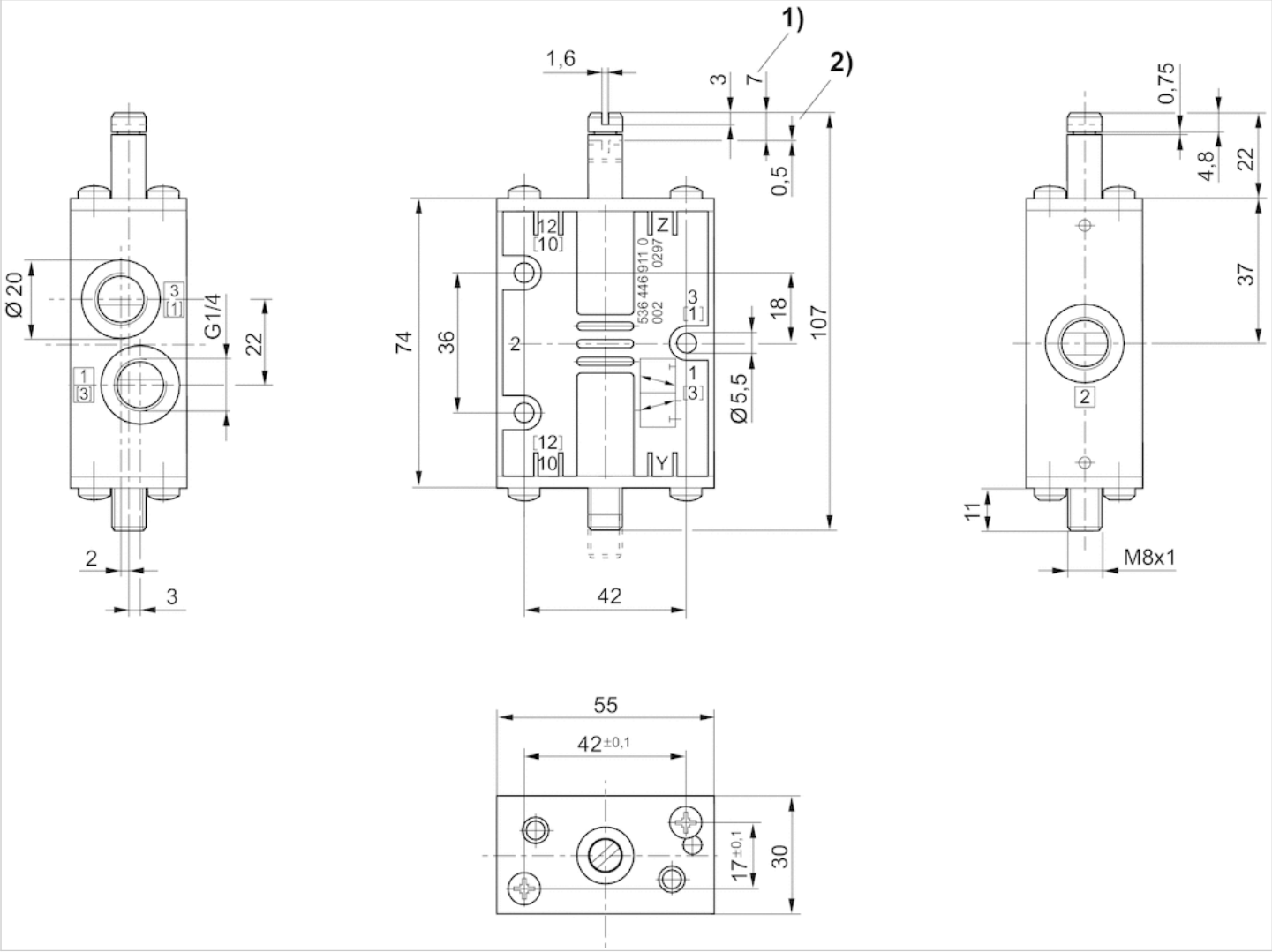


Dimensions Fig. 1



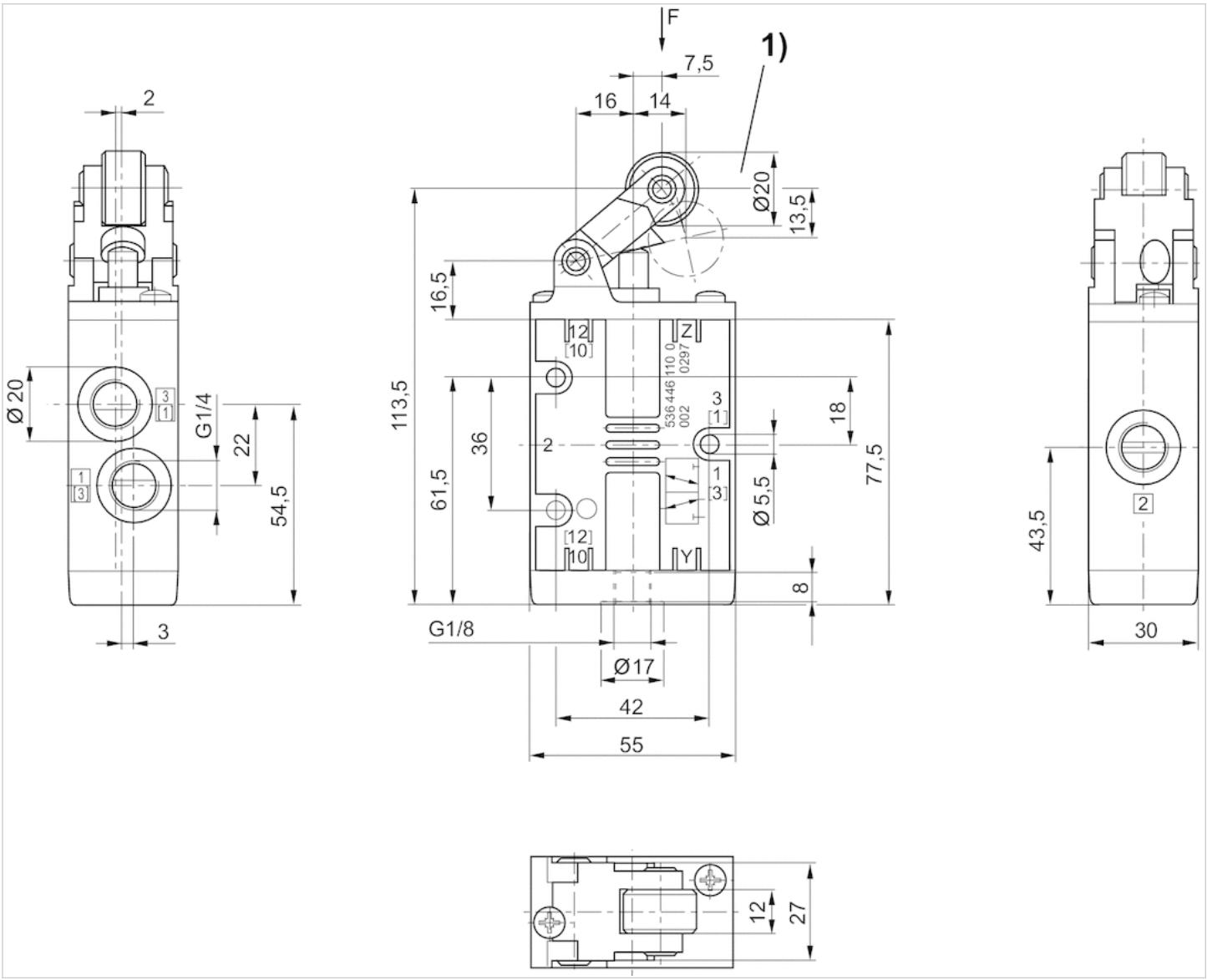
1) Stroke 2) Overstroke

Dimensions Fig. 2



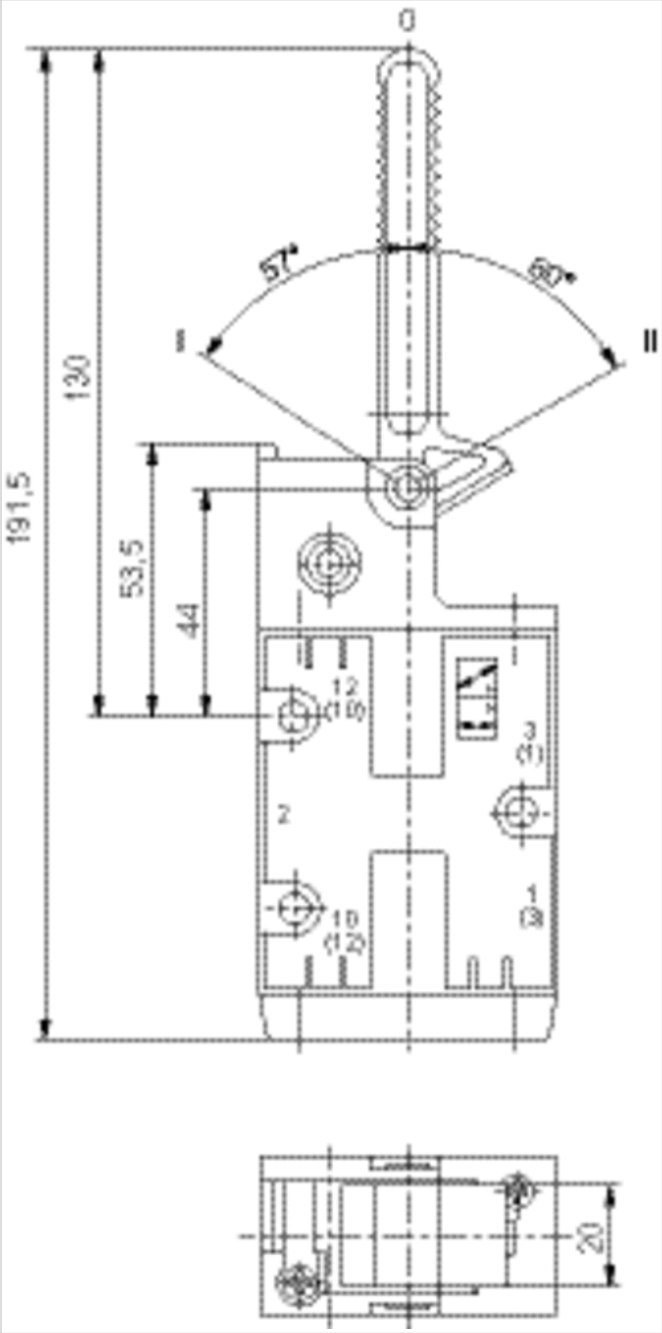
1) Stroke 2) Overstroke

Dimensions Fig. 4



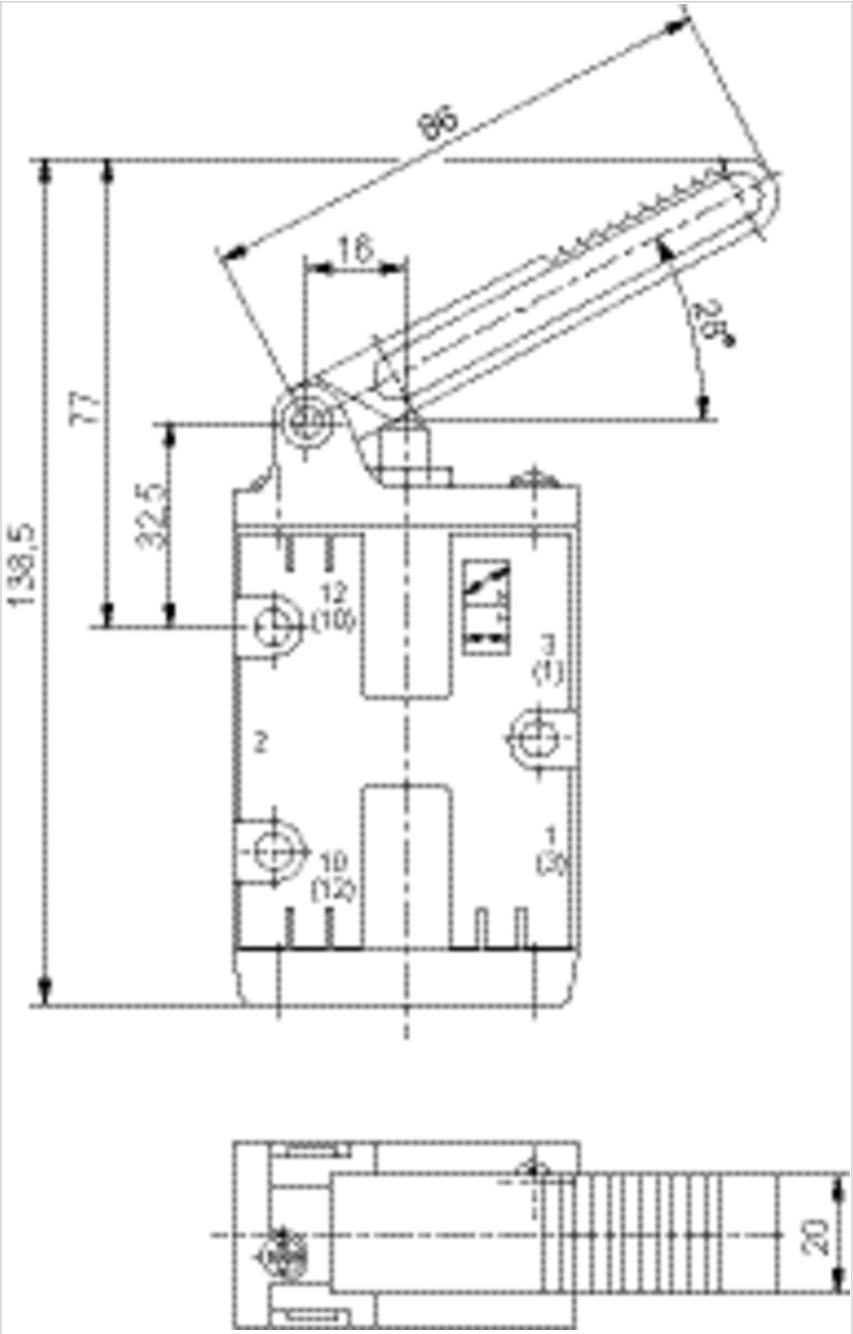
1) approach angle of rollers max. 30°

Dimensions Fig. 5



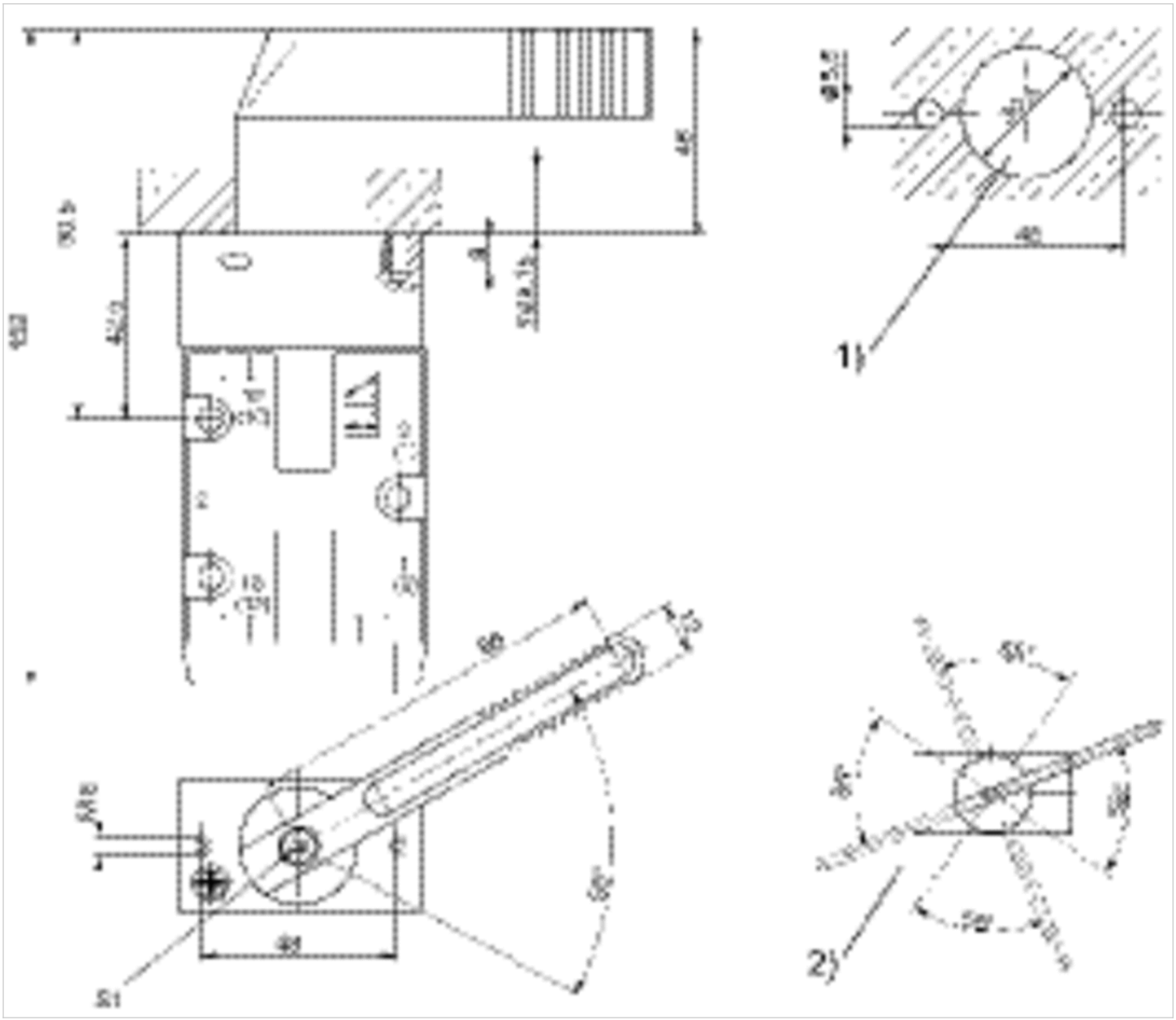
Position 0: initial position, position I: with detent; manual return, position II: automatic spring return.

Dimensions Fig. 6



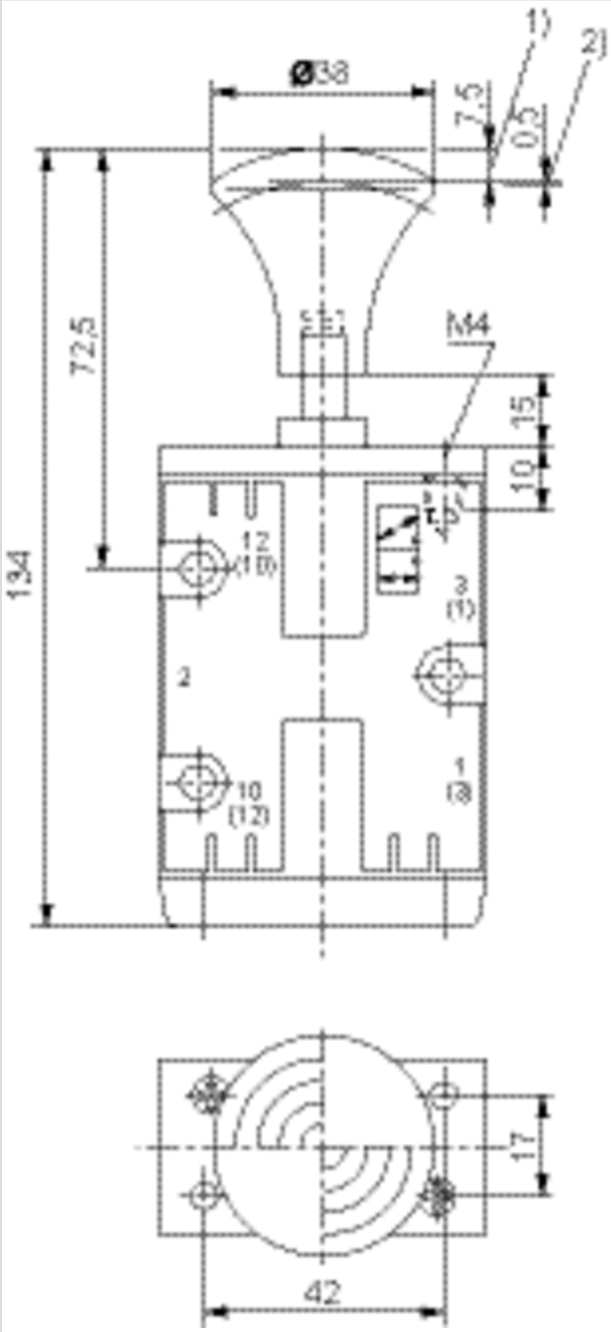
Dimensions of basic valve apply to all types of actuation.

Dimensions Fig. 7



1) control panel installation (holes in mounting panel)2) possible lever positions (basic position of hand lever adjustable in 90° steps after loosening screw ”S1”).

Dimensions Fig. 8



1) Stroke 2) Overstroke

3/2-directional valve, Series CD07

- Qn = 1400 l/min
- Compressed air connection output M14x1,5
- Pipe connection
- suitable for ATEX

Version	Spool valve, positive overlapping
Activation	Mechanical
Switching principle	3/2
Sealing principle	Soft sealing
Nominal flow Qn	1400 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Oil content of compressed air	0 ... 1 mg/m³
Weight	0,45 kg

Technical data

Part No.		Actuating element	Compressed air connection
			Input
5634400000		Plunger	M14x1,5
5634410000		Roller	M14x1,5
5634460000		Button	M14x1,5
5634461000		Button	M14x1,5
5634469110		Button	M14x1,5
5634469310		Button, beige	M14x1,5

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
5634400000	M14x1,5	M14x1,5
5634410000	M14x1,5	M14x1,5
5634460000	M14x1,5	M14x1,5
5634461000	M14x1,5	M14x1,5
5634469110	M14x1,5	M14x1,5
5634469310	M14x1,5	M14x1,5

Part No.	Compressed air connection	Operating force	Control pressure min./max.
	Pilot control exhaust	min.	
5634400000	-	70 N	-
5634410000	-	40 N	-
5634460000	-	70 N	-
5634461000	M10x1	40 N	2 ... 10 bar
5634469110	M12x1,5	40 N	5 ... 10 bar
5634469310	M10x1	40 N	3 ... 10 bar

Part No.	Housing material	Material actuating control	Fig.
5634400000	Die cast zinc, Polyamide, fiber-glass reinforced	Stainless steel	Fig. 1
5634410000	Die cast zinc, Polyamide, fiber-glass reinforced	Stainless steel	Fig. 2
5634460000	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	Fig. 3
5634461000	Die cast zinc	Polyoxymethylene	Fig. 3
5634469110	Die cast zinc	Polyoxymethylene	Fig. 4
5634469310	Die cast zinc	Polyoxymethylene	Fig. 5

Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

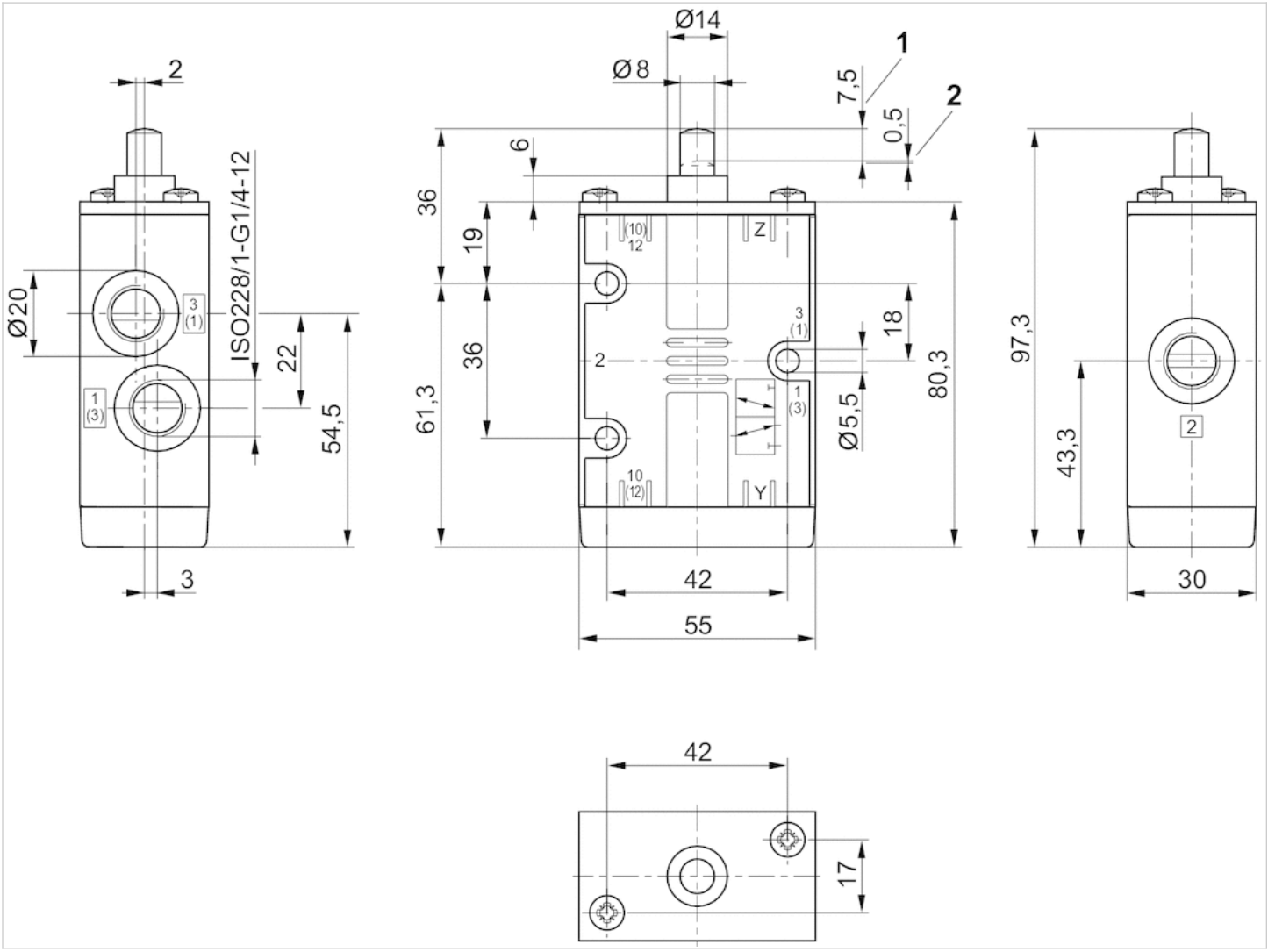
option valve: The input and output compressed air connections can be exchanged.The valve can thereby be used in the NC or NO operating mode.

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced, Die cast zinc
Seals	Acrylonitrile butadiene rubber
Actuating element	Stainless steel, Polyoxymethylene

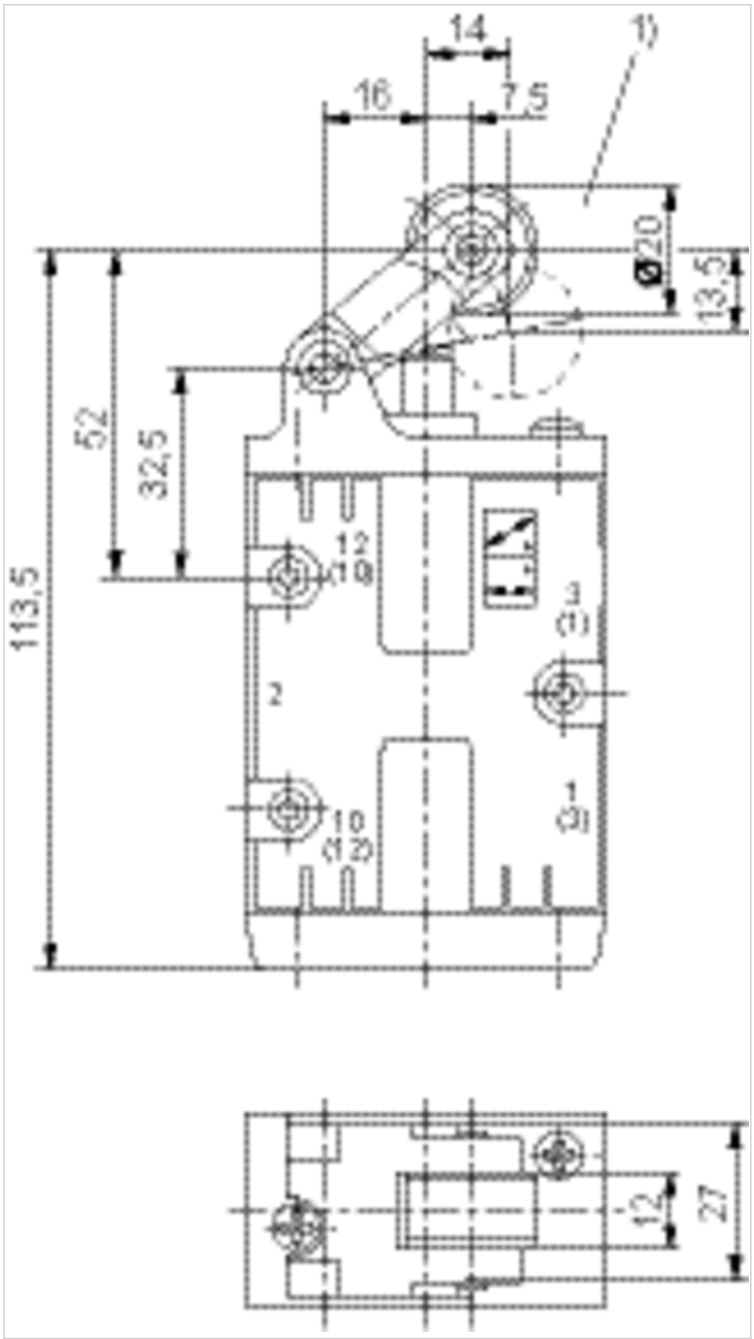
Dimensions

Dimensions Fig. 1



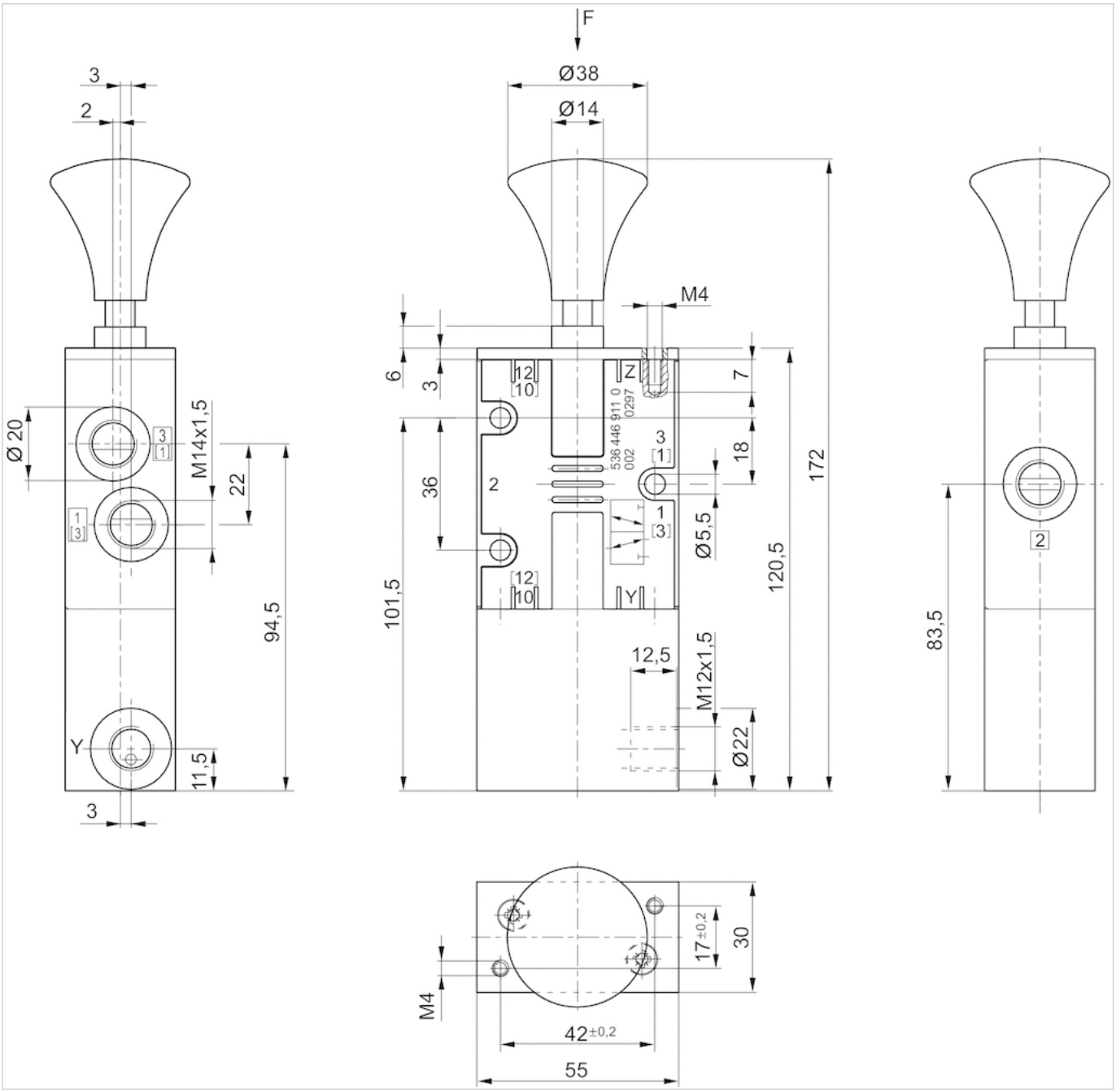
1) Stroke 2) Overstroke

Dimensions Fig. 3

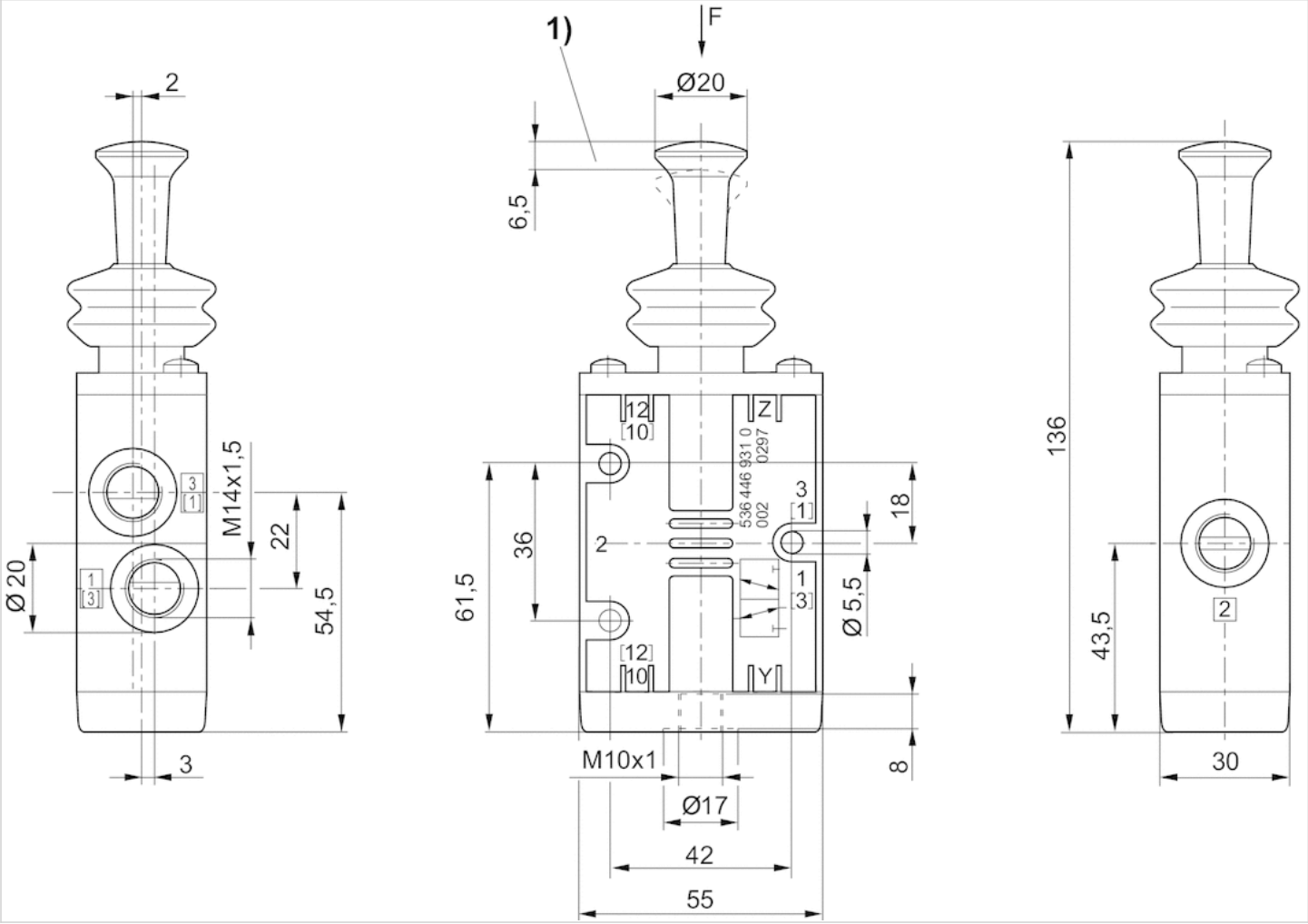


1) approach angle of rollers max. 30°

Dimensions Fig. 4

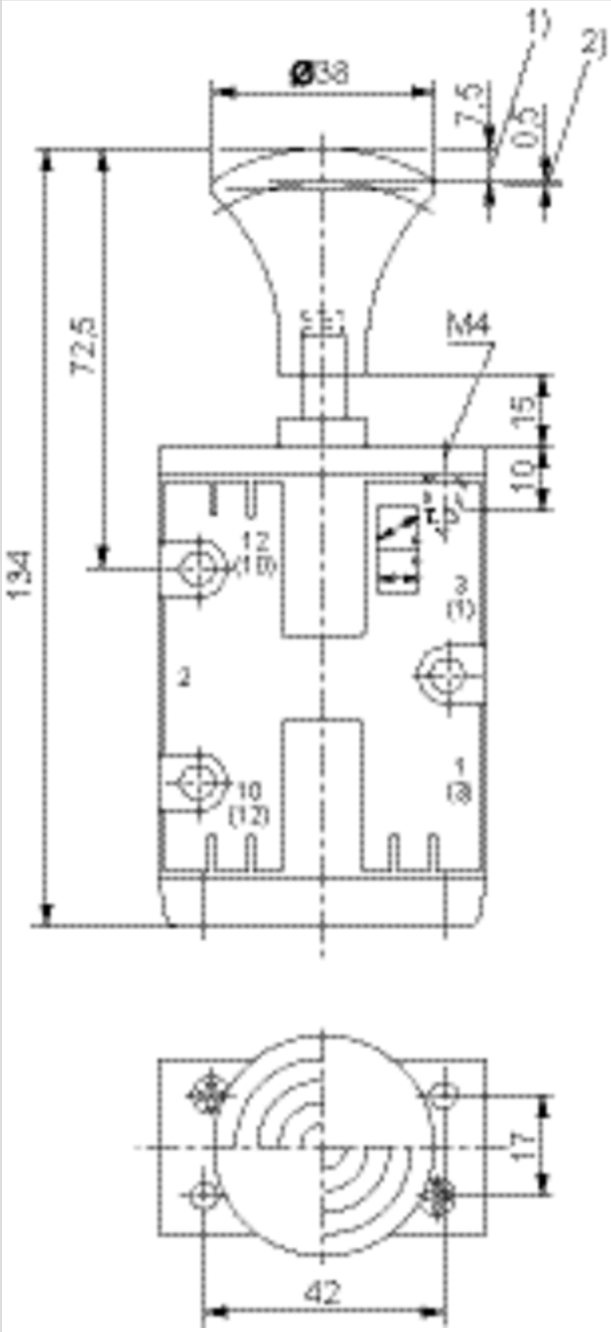


Dimensions Fig. 5



1) Stroke

Dimensions Fig. 8



1) Stroke 2) Overstroke

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Compressed air connection output G 1/4
- Pipe connection
- suitable for ATEX

Version	Spool valve, positive overlapping
Activation	Mechanical
Switching principle	5/2
Sealing principle	Soft sealing
Nominal flow Qn	1200 l/min
Compressed air connection	according to ISO 228-1
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	See table below

Technical data

Part No.		Actuating element	Compressed air connection
			Input
5634600100		Plunger	G 1/4
5634610100		Roller	G 1/4
5634630100		Hand lever, with detent, without detent	G 1/4
5634640100		Hand lever	G 1/4
5634650100		Rotary lever, with detent	G 1/4
5634660100		Button	G 1/4
5634669200		Button	G 1/4

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
5634600100	G 1/4	G 1/4
5634610100	G 1/4	G 1/4
5634630100	G 1/4	G 1/4
5634640100	G 1/4	G 1/4
5634650100	G 1/4	G 1/4
5634660100	G 1/4	G 1/4
5634669200	G 1/4	G 1/4

Part No.	Compressed air connection	Operating force	Control pressure min./max.
	Pilot control exhaust	min.	
5634600100	-	70 N	-
5634610100	-	40 N	-
5634630100	-	20 N	-
5634640100	-	15 N	-
5634650100	-	15 N	-

Part No.	Compressed air connection	Operating force	Control pressure min./max.
	Pilot control exhaust	min.	
5634660100	-	70 N	-
5634669200	G 1/8	80 N	5 ... 10 bar

Part No.	Housing material	Material actuating control	Weight
5634600100	Die cast zinc, Polyamide, fiber-glass reinforced	Stainless steel	0,54 kg
5634610100	Die cast zinc, Polyamide, fiber-glass reinforced	Stainless steel	0,59 kg
5634630100	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0,62 kg
5634640100	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0,59 kg
5634650100	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0,64 kg
5634660100	Die cast zinc, Polyamide, fiber-glass reinforced	Polyoxymethylene	0,54 kg
5634669200	Die cast zinc	Polyoxymethylene	0,54 kg

Part No.	Fig.
5634600100	Fig. 1
5634610100	Fig. 2
5634630100	Fig. 3
5634640100	Fig. 4
5634650100	Fig. 5
5634660100	Fig. 6
5634669200	Fig. 7

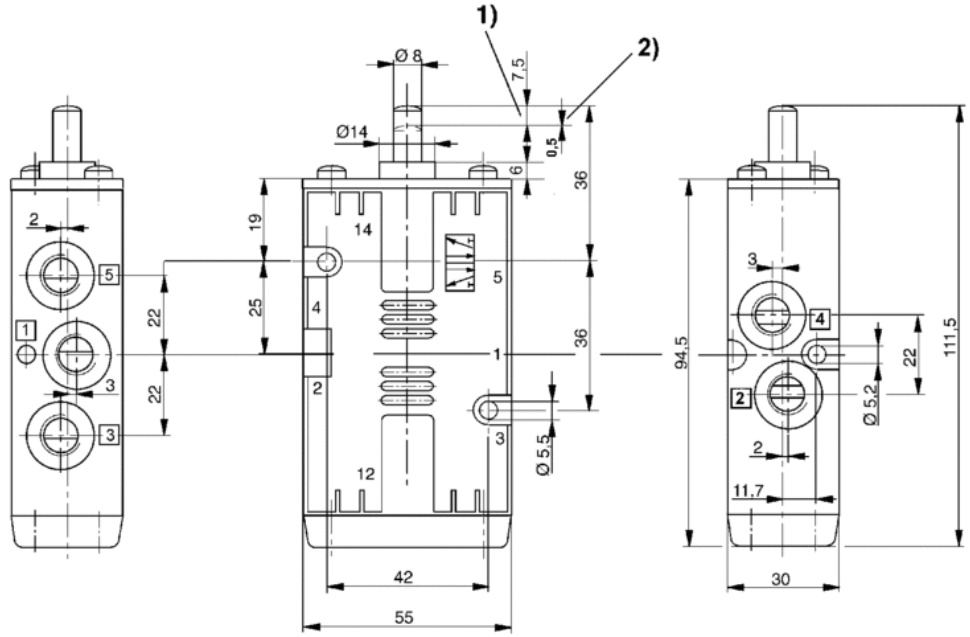
Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced, Die cast zinc
Seals	Acrylonitrile butadiene rubber
Actuating element	Stainless steel, Polyoxymethylene

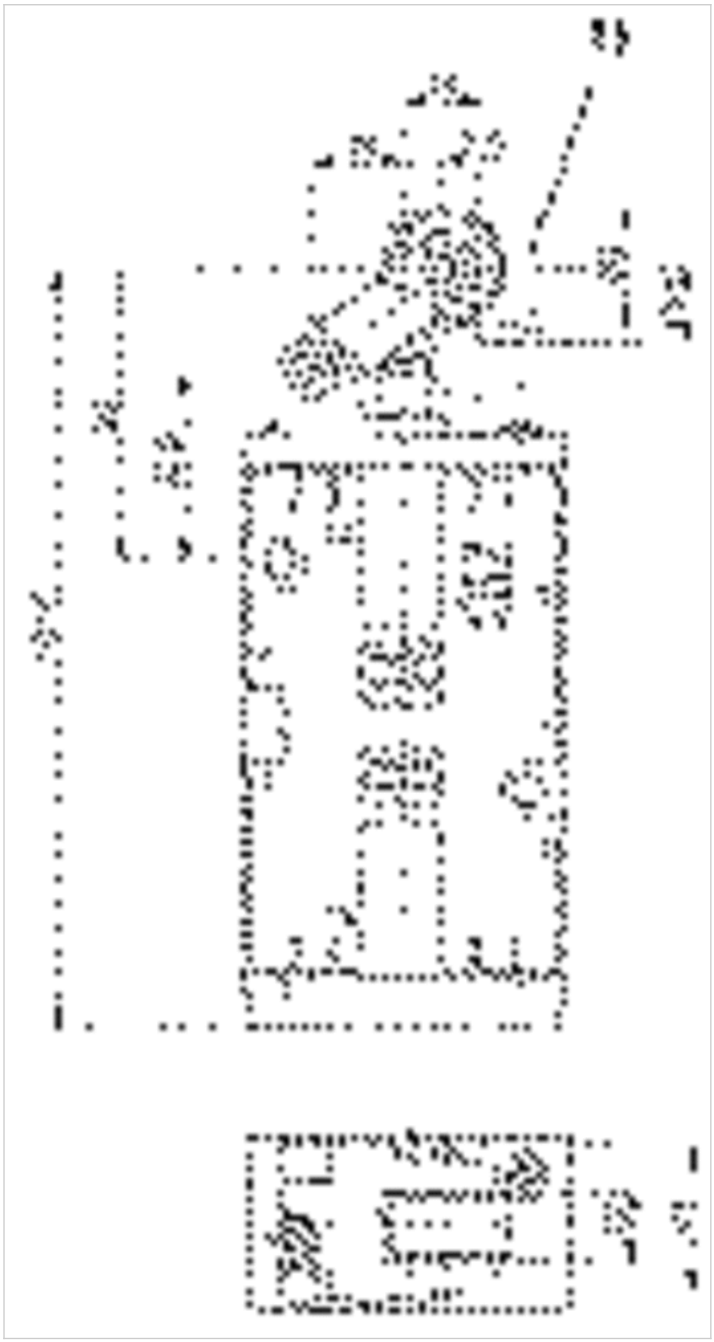
Dimensions

Dimensions Fig. 1



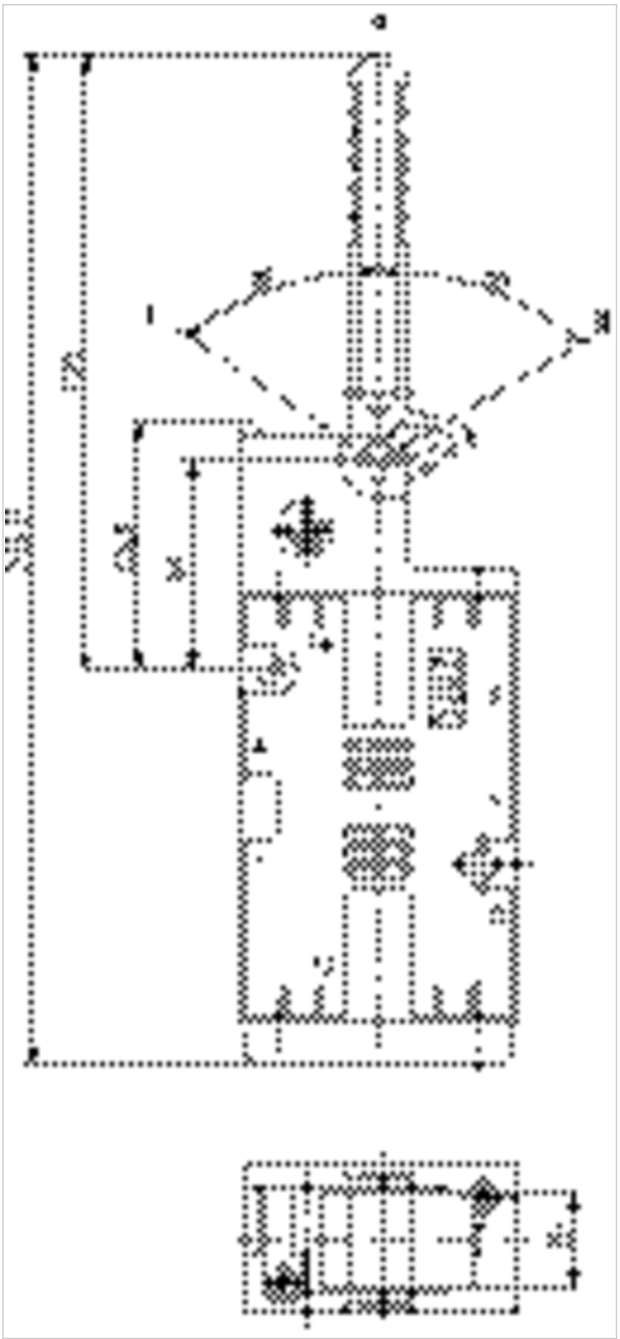
1) Stroke 2) Overstroke
Dimensions of basic valve apply to all types of actuation.

Dimensions Fig. 2



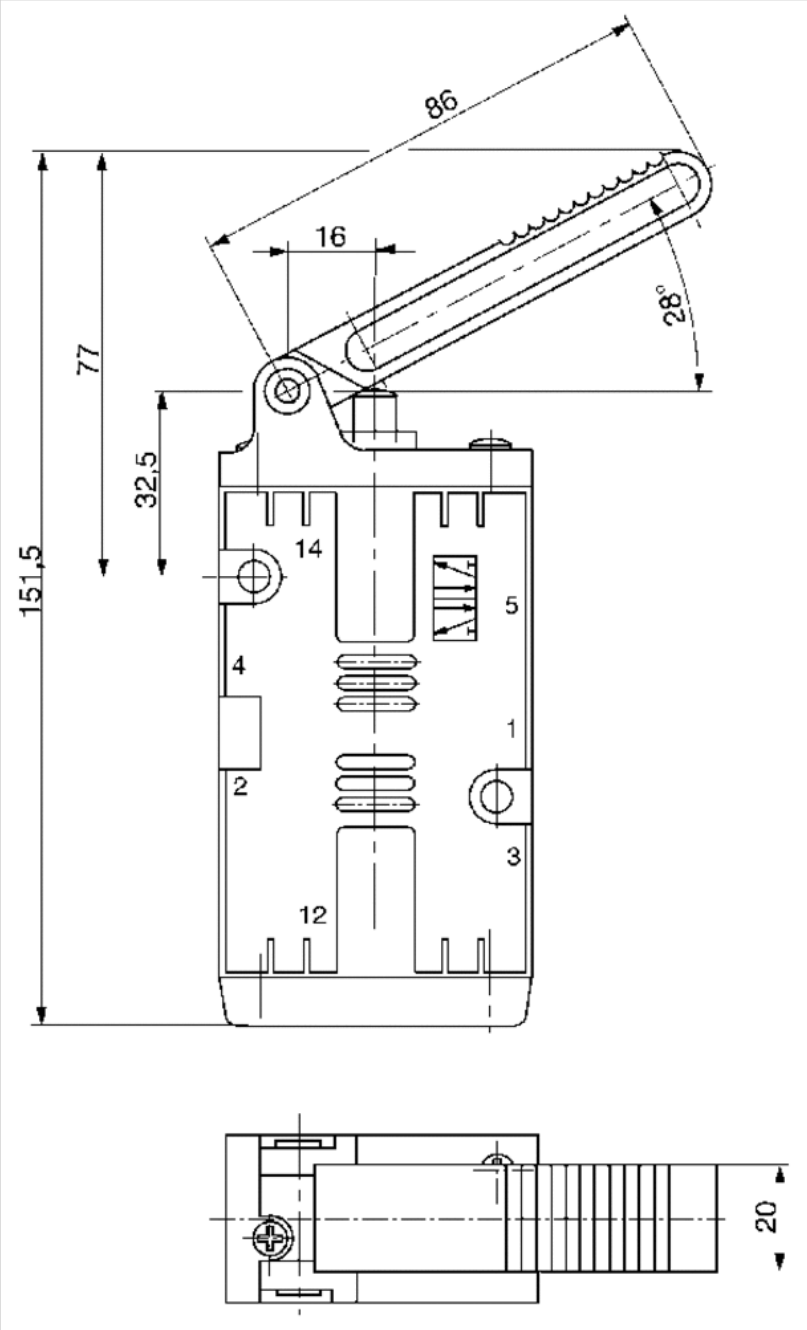
1) approach angle of rollers max. 30°

Dimensions Fig. 3

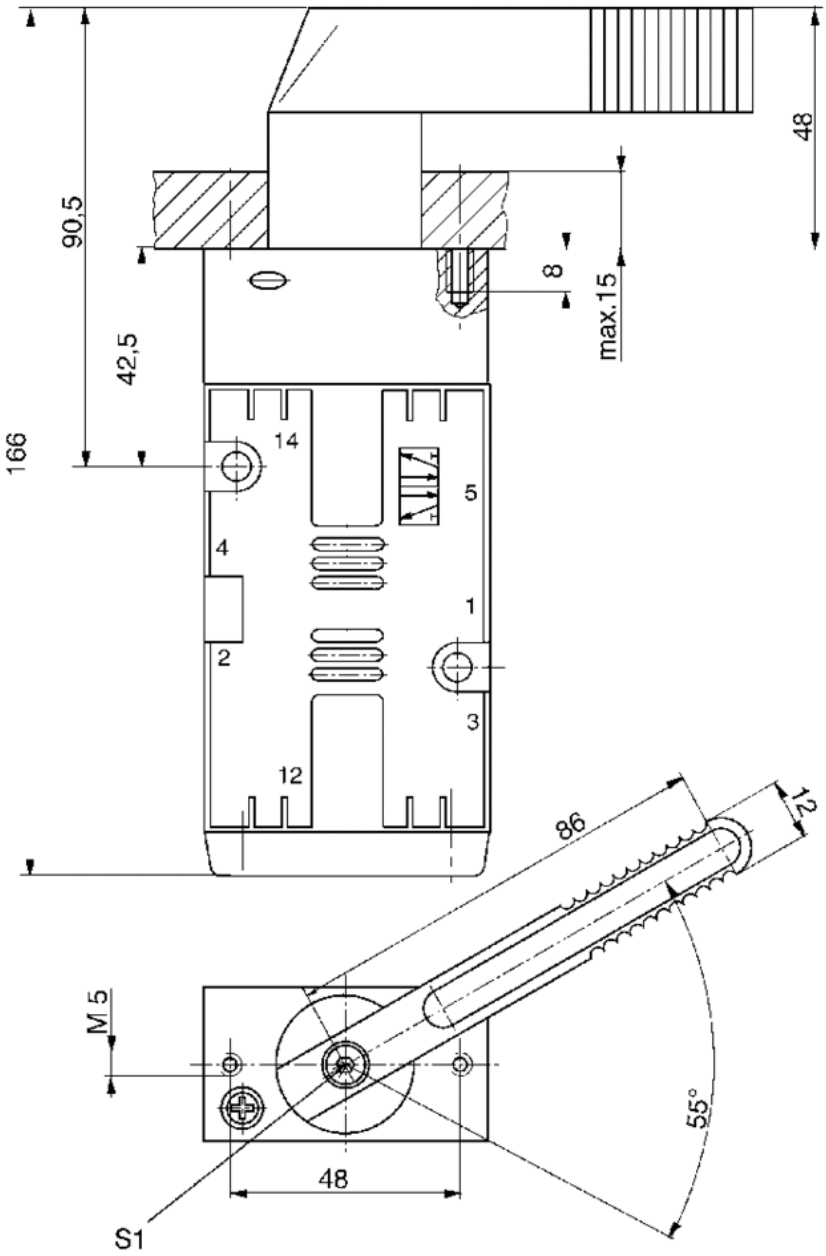


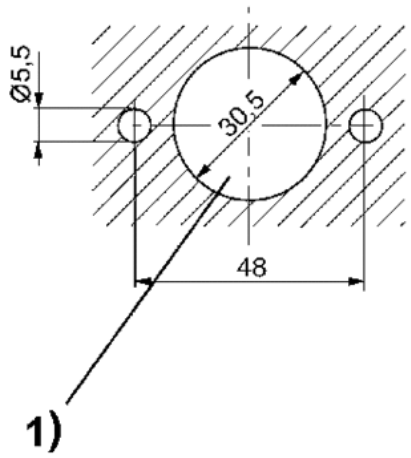
Position 0: initial position, position I: with detent; manual return, position II: automatic spring return.

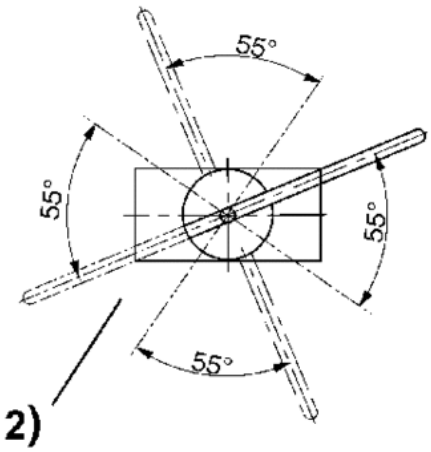
Dimensions Fig. 4



Dimensions Fig. 5

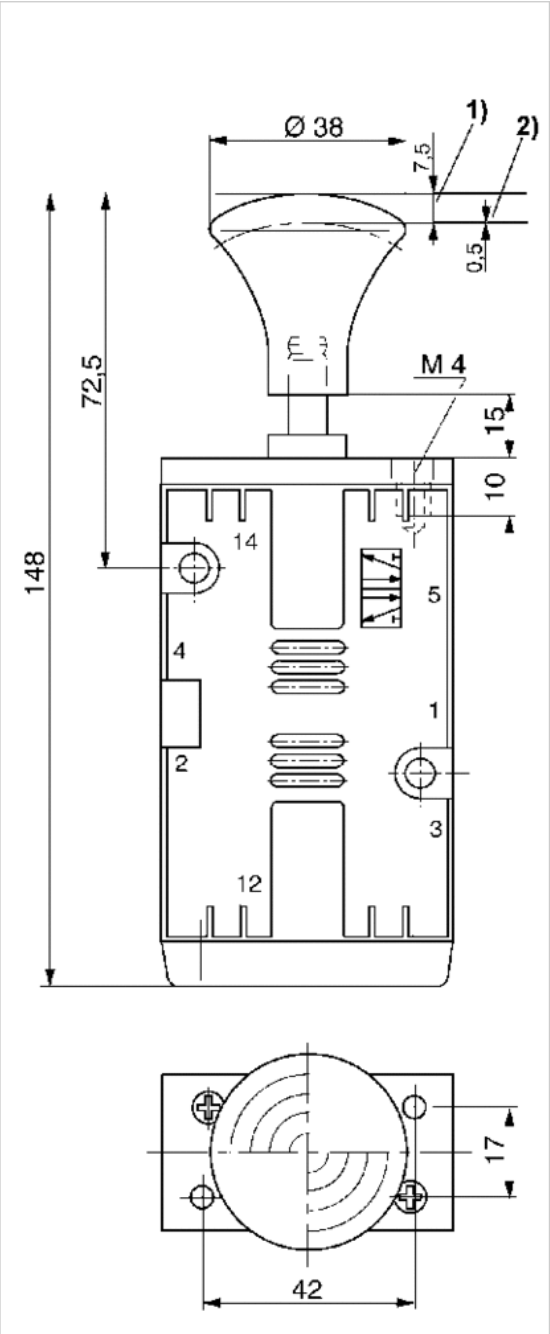






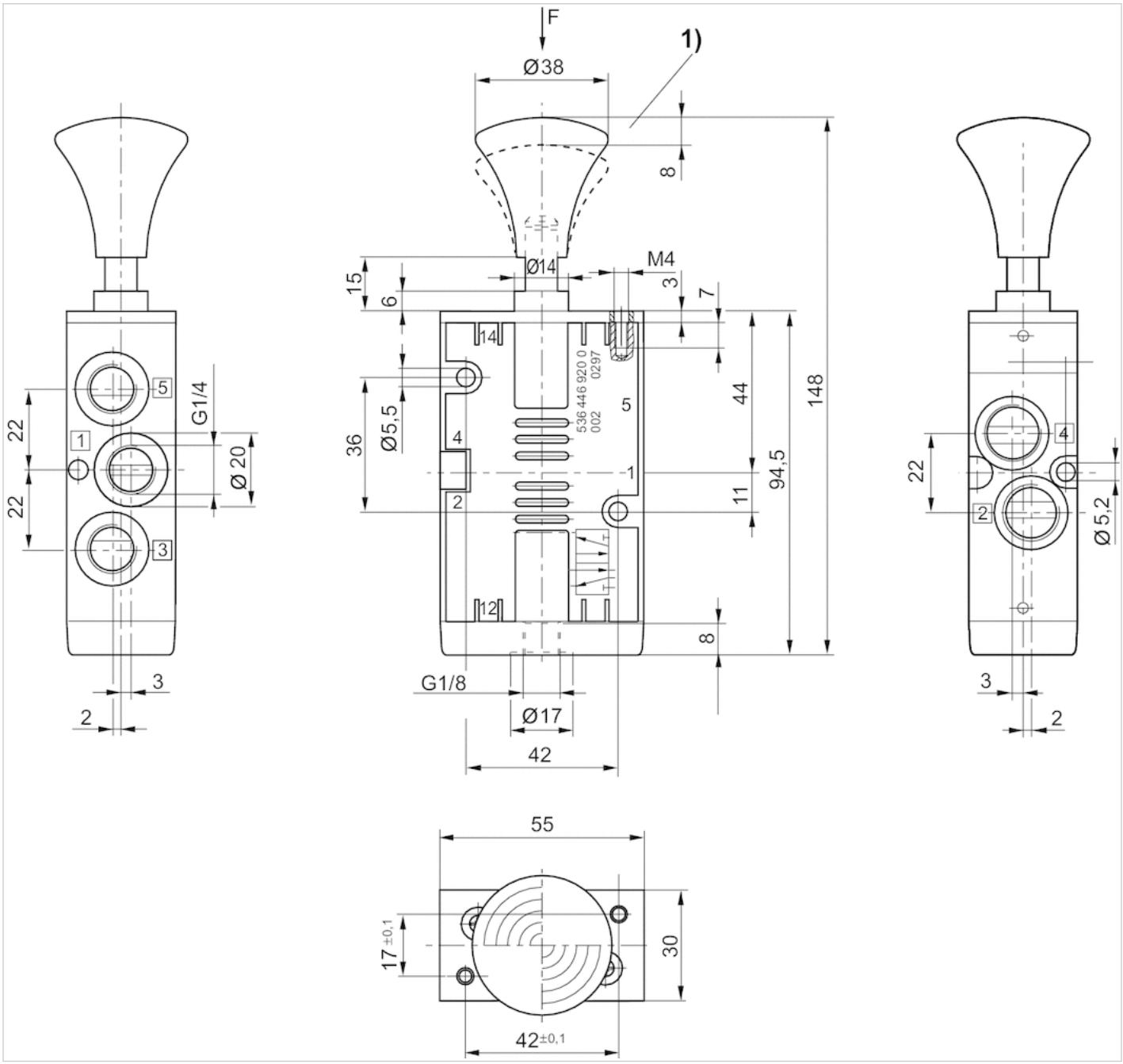
1) control panel installation (holes in mounting panel)2) possible lever positions (basic position of hand lever adjustable in 90° steps after loosening screw ”S1”).

Dimensions Fig. 6



1) Stroke 2) Overstroke

Dimensions Fig. 7



1) Stroke

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Compressed air connection output G 1/4
- single solenoid
- Pipe connection
- cold-resistant
- suitable for ATEX

Version	Spool valve, positive overlapping
Activation	Mechanical
Switching principle	5/2
Sealing principle	Soft sealing
Nominal flow Qn	1200 l/min
Compressed air connection	according to ISO 228-1
Working pressure min./max.	-0,95 ... 10 bar
Ambient temperature min./max.	-35 ... 70 °C
Medium temperature min./max.	-35 ... 70 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	See table below

Technical data

Part No.		Actuating element	Compressed air connection
			Input
5634610190		Roller	G 1/4
5634630190		Hand lever, with detent, without detent	G 1/4

Part No.	Compressed air connection	Compressed air connection	Operating force
	Output	Exhaust	min.
5634610190	G 1/4	G 1/4	52 N
5634630190	G 1/4	G 1/4	26 N

Part No.	Material actuating control	Weight	Fig.
5634610190	Polyoxymethylene	0,59 kg	Fig. 1
5634630190	Polyoxymethylene, Aluminum	0,62 kg	Fig. 2

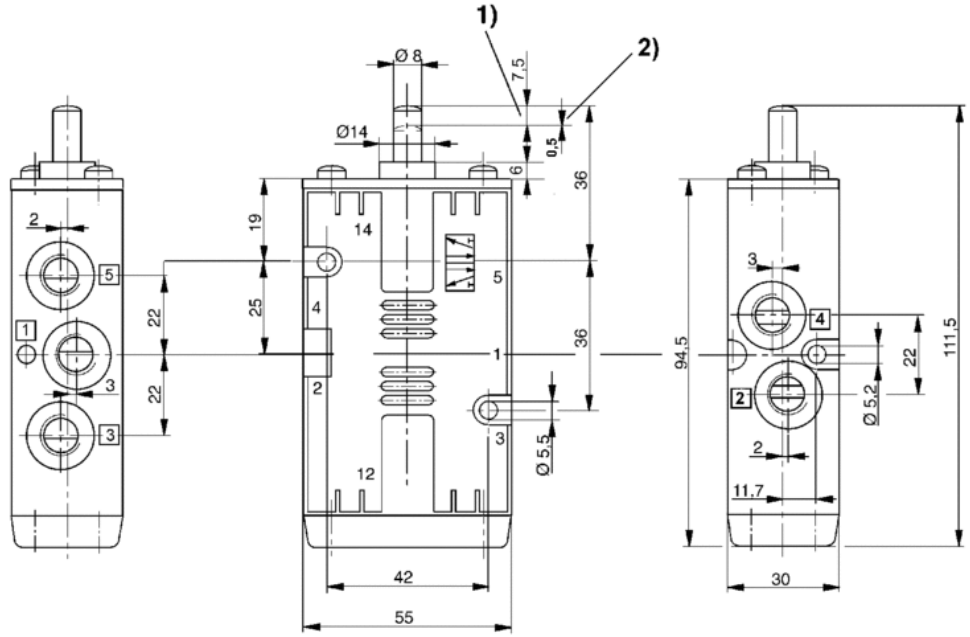
Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber, Polyurethane
Actuating element	Polyoxymethylene, Polyoxymethylene, Aluminum

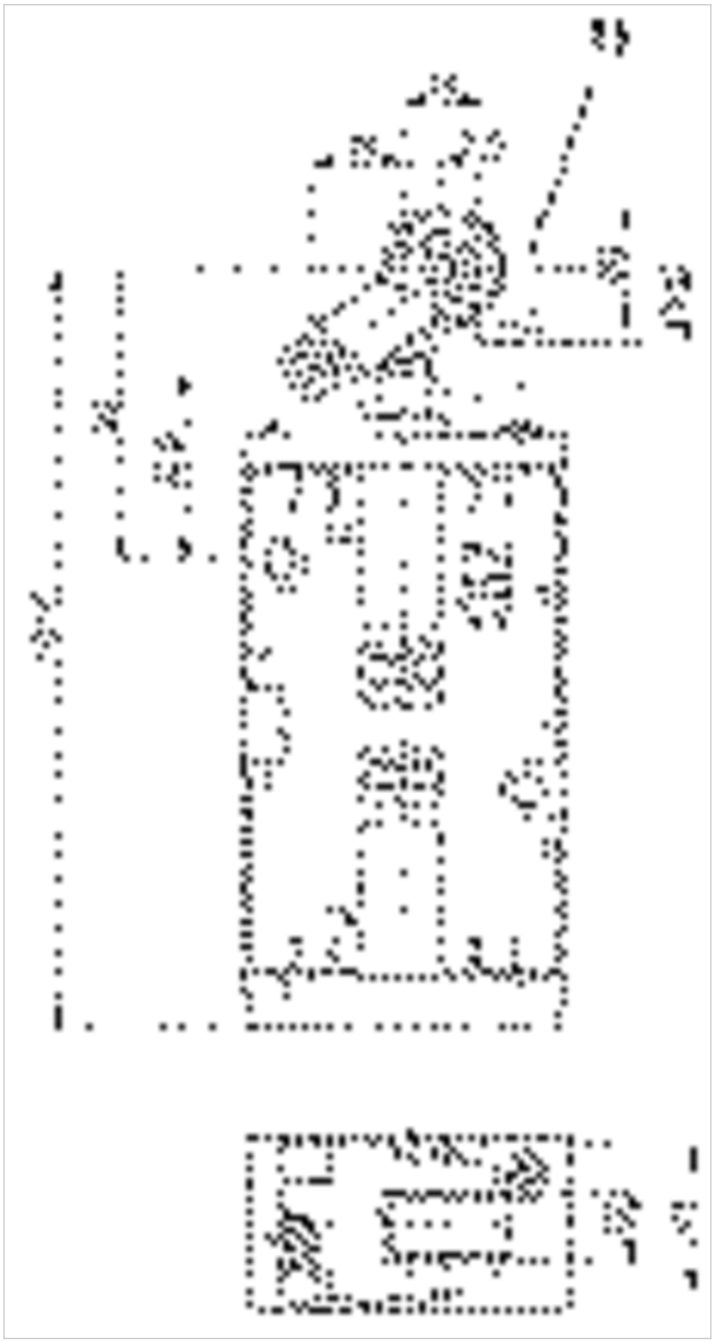
Dimensions

Dimensions Fig. 1



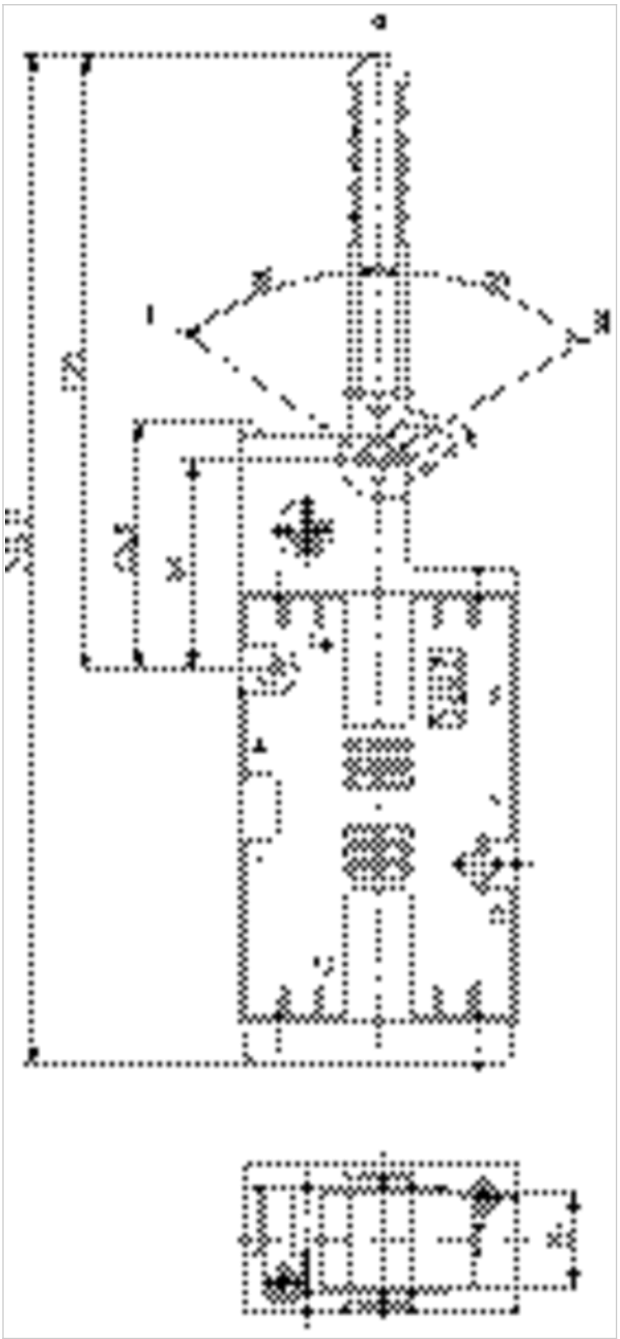
1) Stroke 2) Overstroke
Dimensions of basic valve apply to all types of actuation.

Dimensions Fig. 2



1) approach angle of rollers max. 30°

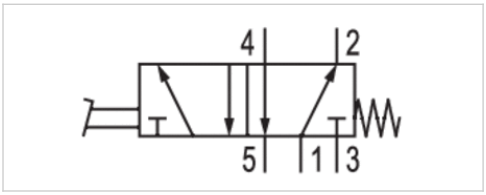
Dimensions Fig. 3



Position 0: initial position, position I: with detent; manual return, position II: automatic spring return.

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Compressed air connection output G 1/4
- Pipe connection
- suitable for ATEX



Version	Spool valve, positive overlapping
Activation	Mechanical
Actuating element	Pedal
Switching principle	5/2
Sealing principle	Soft sealing
Nominal flow Qn	1200 l/min
Compressed air connection	according to ISO 228-1
Working pressure min./max.	-0,95 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	0,76 kg

Technical data

Part No.	Compressed air connection	Compressed air connection
	Input	Output
5634670100	G 1/4	G 1/4

Part No.	Compressed air connection
	Exhaust
5634670100	G 1/4

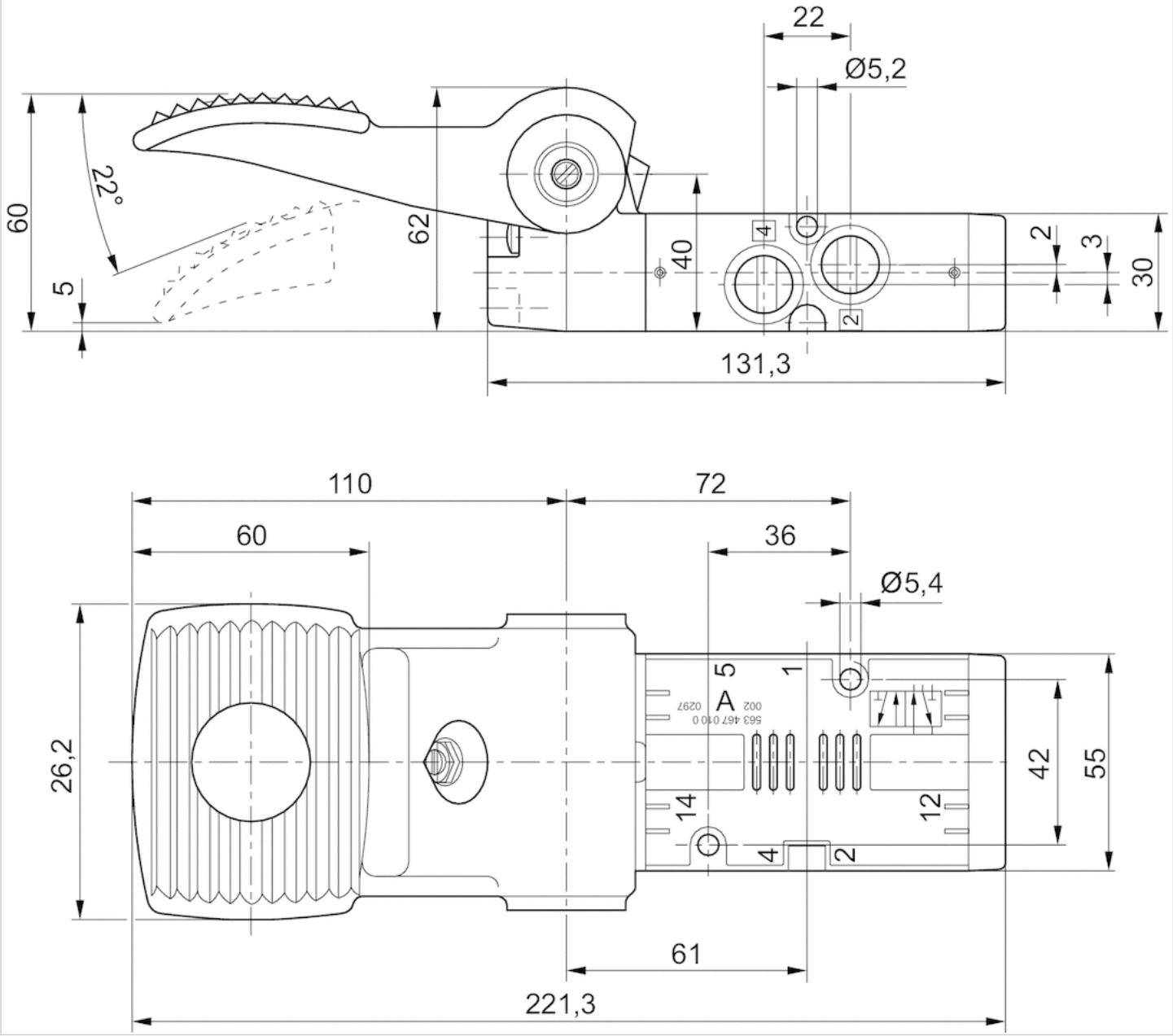
Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

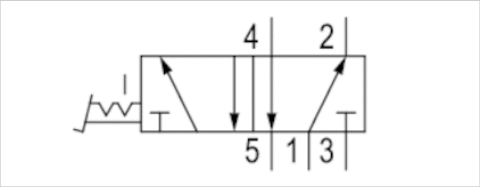
Dimensions

Dimensions



5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Compressed air connection output G 1/4
- Pipe connection
- suitable for ATEX



Version	Spool valve, positive overlapping
Activation	Mechanical
Lock type	not lockable
Actuating element	Pedal, with detent
Switching principle	5/2
Sealing principle	Soft sealing
Nominal flow Qn	1200 l/min
Compressed air connection	according to ISO 228-1
Working pressure min./max.	-0,95 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	1,56 kg

Technical data

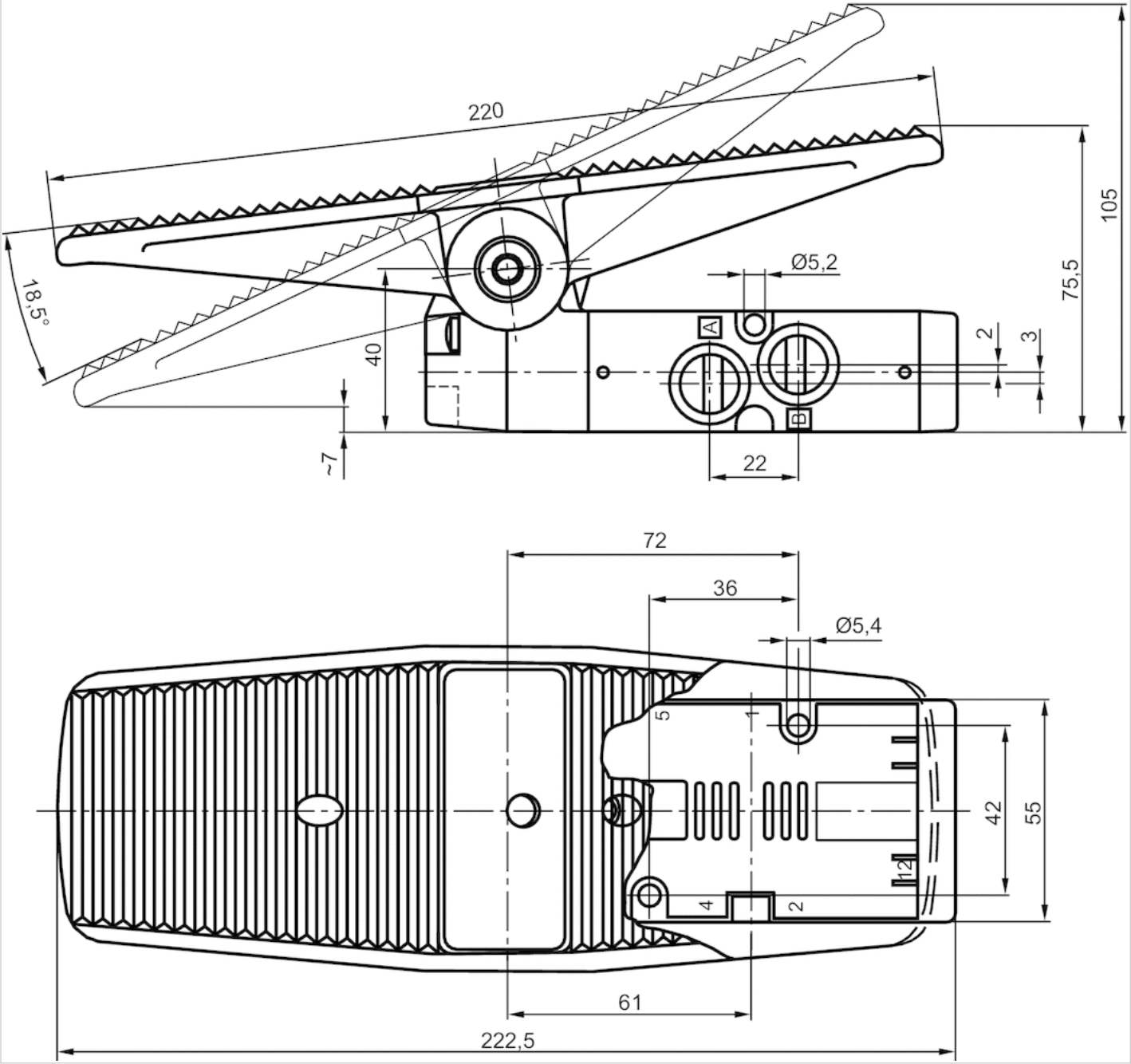
Part No.	Compressed air connection	Compressed air connection
	Input	Output
5634695100	G 1/4	G 1/4

Part No.	Compressed air connection
	Exhaust
5634695100	G 1/4

Nominal flow Qn at 6 bar and Δp = 1 bar

Dimensions

Dimensions



Valve plug connector, series CON-VP

- Socket, form A, 2+E, angled, 90°
- EN 175301-803
- unshielded
- with LED Yellow, Red

Connection type	Screws
Ambient temperature min./max.	-40 ... 90 °C
Operationalvoltage	See table below
Protection class	IP65
Mounting screw tightening torque	0,4 Nm
Weight	See table below

Technical data

Part No.		Operationalvoltage	Protective circuit	Contact assignment	LED status display
1834484101		24 V, AC/DC	Z-diode	2+E	Yellow
1834484102		110 V, AC	Varistor	2+E	Red
1834484103		230 V, AC	Varistor	2+E	Red

Part No.	suitable cable-Ø min./max	Seal	Weight	
1834484101	6 / 8 mm	Silicone caoutchouc	0,03 kg	1)
1834484102	6 / 8 mm	caoutchouc/butadiene caoutchouc	0,03 kg	2)
1834484103	6 / 8 mm	Silicone caoutchouc	0,025 kg	2)

1) Flat gasket

2) Profile seal

Technical information

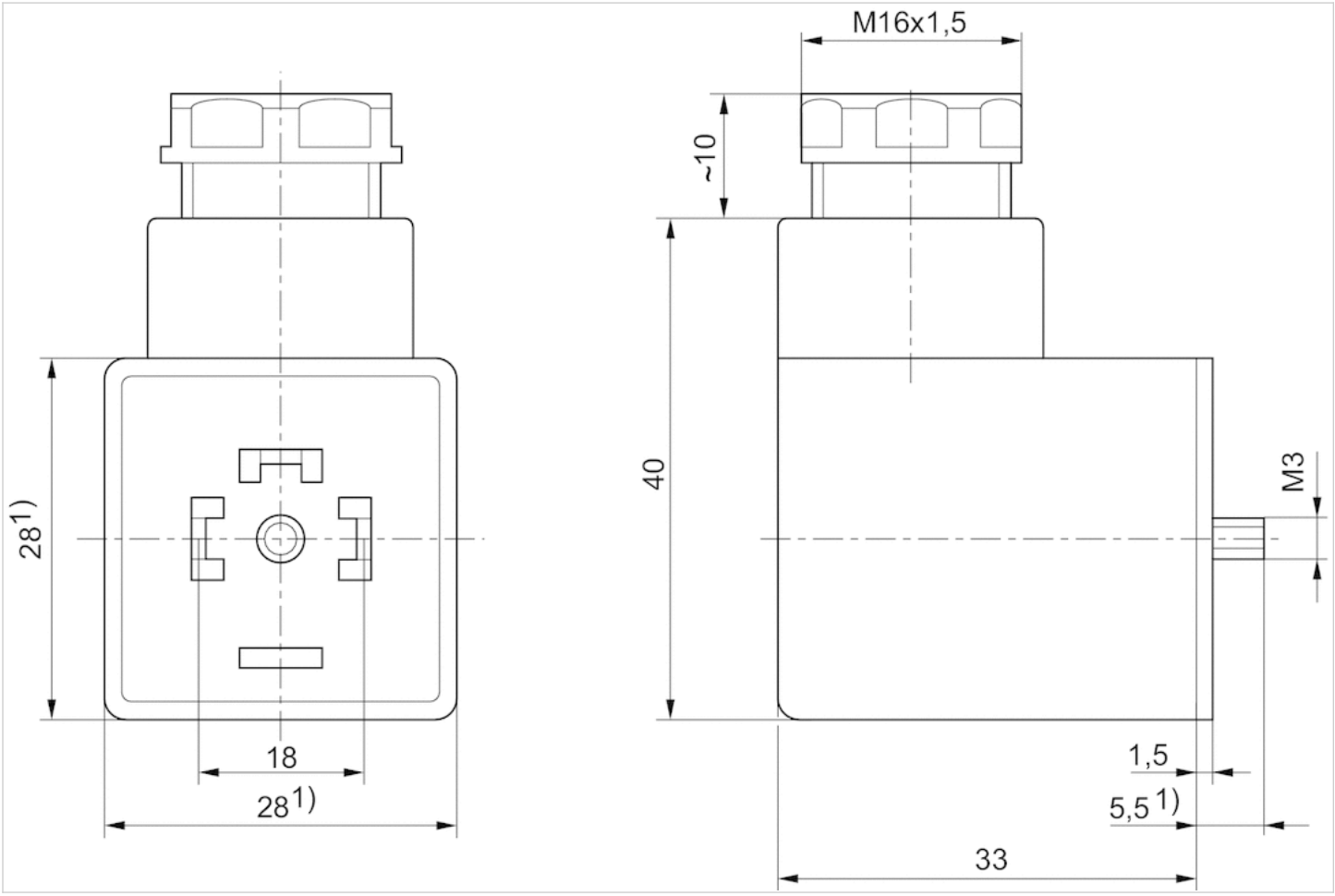
The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Seals	Silicone caoutchouc, caoutchouc/butadiene caoutchouc

Dimensions

Dimensions



1) Max.

Valve plug connector, series CON-VP

- Socket, form A, 2+E, angled, 90°, Socket, form A, 3+E, angled, 90°
- EN 175301-803
- unshielded

Connection type	Screws
Ambient temperature min./max.	-40 ... 90 °C
Operationalvoltage	300 V, DC
Protection class	IP65
Mounting screw tightening torque	0,4 Nm
Weight	0,03 kg

Technical data

Part No.		Electrical connection	Max. current	Contact assignment
		1		
1834484048		Socket, form A, 2+E, angled, 90°	10 A	2+E
1834484059		Socket, form A, 3+E, angled, 90°	10 A	3+E

Part No.	suitable cable-Ø min./max
1834484048	6 / 8 mm
1834484059	6 / 8 mm

Profile seal

Technical information

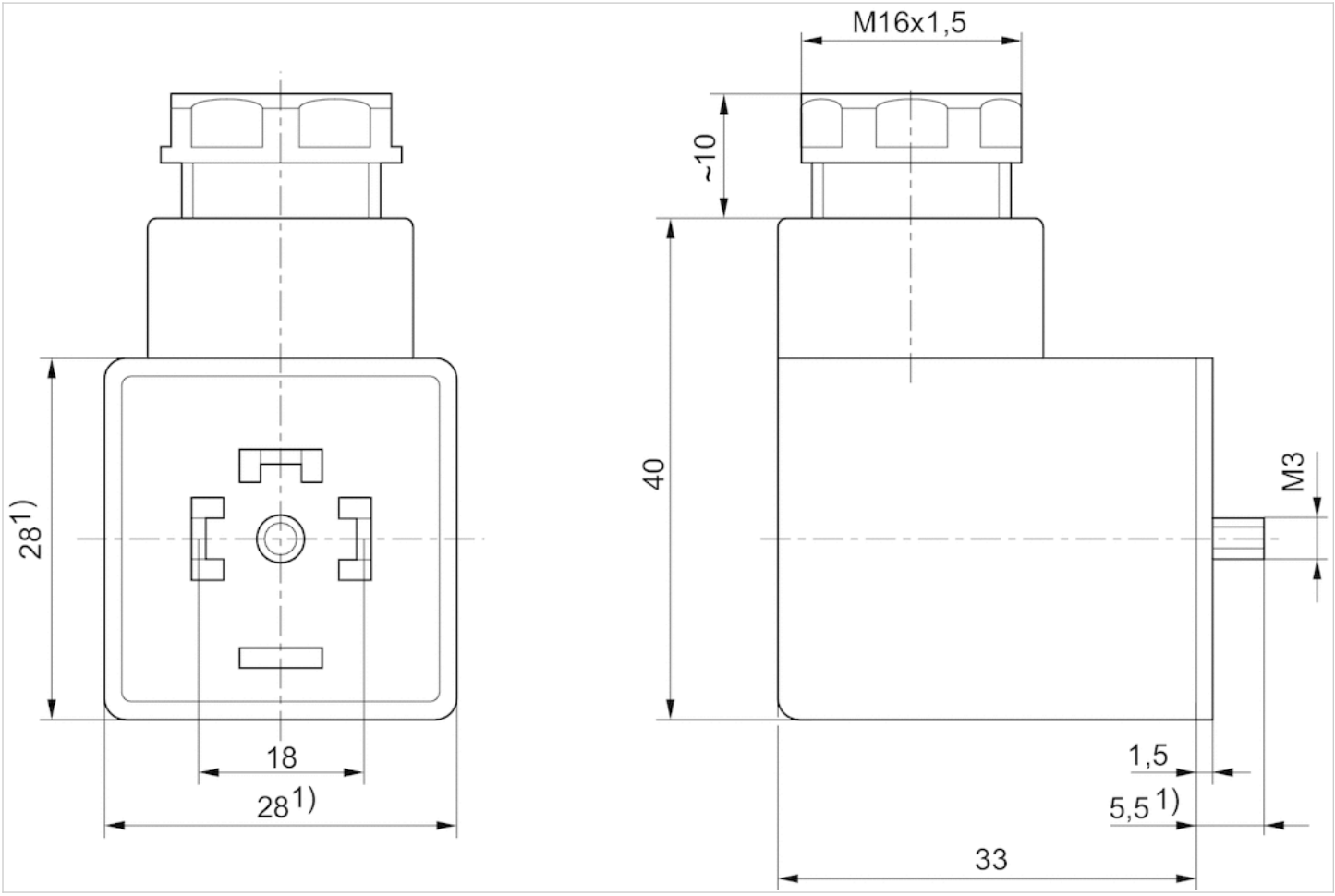
The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Seals	caoutchouc/butadiene caoutchouc

Dimensions

Dimensions



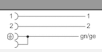
1) Max.

Valve plug connector, series CON-VP

- Socket, form A, 2+E, angled, 90°
- open cable ends, 3-pin
- with cable
- unshielded

Ambient temperature min./max.	-20 ... 80 °C
Operationalvoltage	See table below
Protection class	IP67
Wire cross-section	0,75 mm²
Mounting screw tightening torque	0,4 Nm
Weight	See table below

Technical data

Part No.		Operationalvoltage	Protective circuit	Contact assignment	LED status display
1834484160		230 V, AC/DC	-	2+E	-
1834484162		24 V, AC/DC	Z-diode	2+E	Yellow
1834484163		24 V, AC/DC	Z-diode	2+E	Yellow
1834484164		230 V, AC/DC	Varistor	2+E	Red
1834484165		230 V, AC/DC	Varistor	2+E	Red

Part No.	Number of wires	Cable-Ø	Cable length	Weight	Fig.	
1834484160	3	5,9 mm	3 m	0,2 kg	Fig. 1	1)
1834484162	3	5,9 mm	3 m	0,2 kg	Fig. 2	-
1834484163	3	5,9 mm	5 m	0,31 kg	Fig. 2	-
1834484164	3	5,9 mm	3 m	0,2 kg	Fig. 2	-
1834484165	3	5,9 mm	5 m	0,31 kg	Fig. 2	-

1) Scope of delivery incl. flat gasket

Technical information

The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Seals	caoutchouc/butadiene caoutchouc
Cable sheath	Polyvinyl chloride

Dimensions

Fig. 1

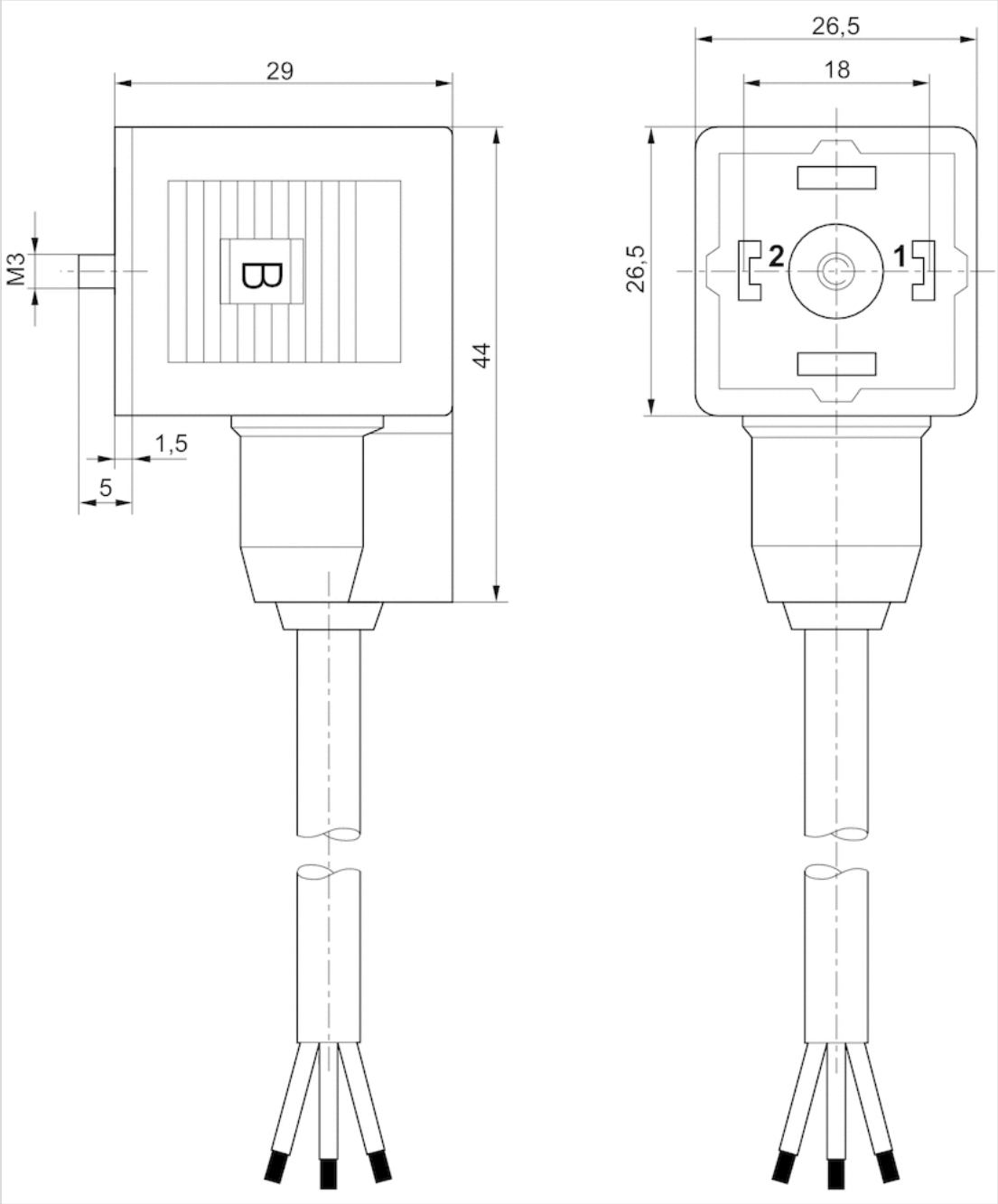
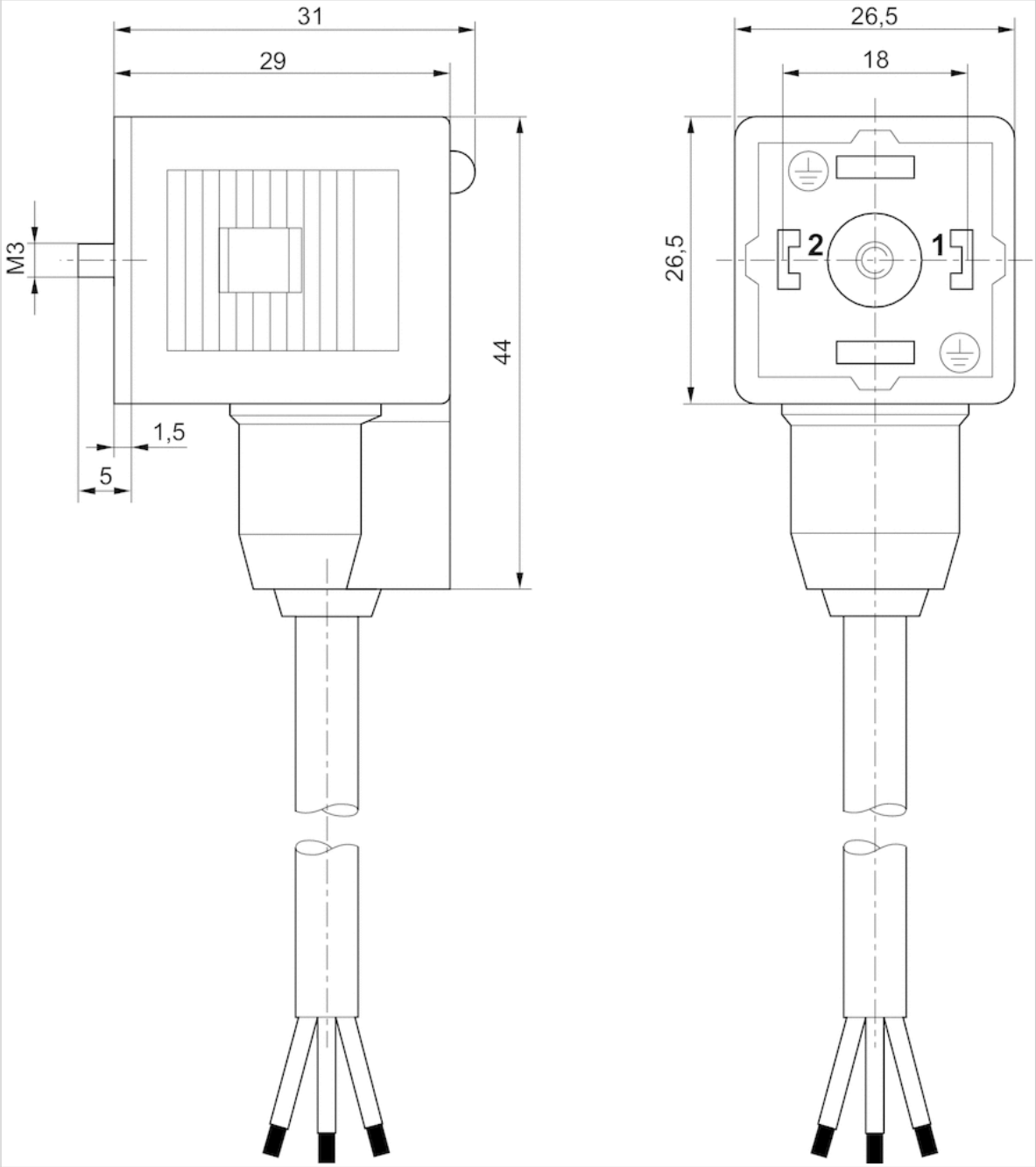
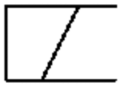


Fig. 2



Coil, Series CO1

- With valve plug connector
- Coil width 30 mm
- Power consumption,DC 2.1 W
- Holding power,AC 4-4.1 VA
- Switch-on power,AC 4-4.1 VA
- ATEX



Certificates	ATEX
ATEX class G	II 3G Ex nA IIC T4 Gc X
ATEX class D	II 3D Ex tc IIIC T125°C Dc X
Ambient temperature min./max.	-10 ... 50 °C
Protection class	IP65
Duty cycle ED	100 %
Compatibility index	13
Weight	See table below

Technical data

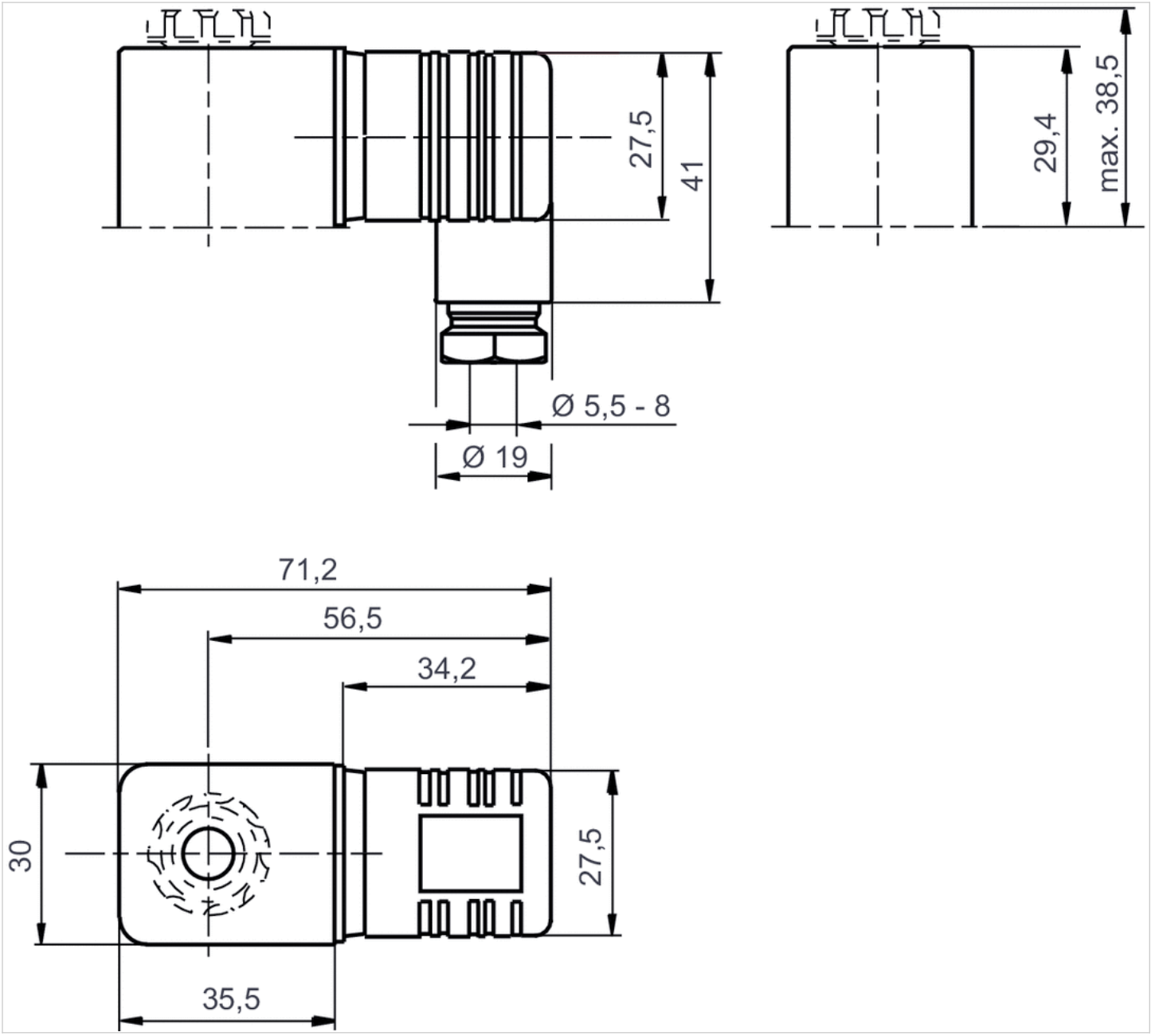
Part No.	Operationalvoltage	Operationalvoltage	Operationalvoltage	Voltage tolerance
	DC	AC 50 Hz	AC 60 Hz	DC
R412000144	24 V	-	-	-10% / +10%
R412000145	-	24 V	24 V	-
R412000146	-	110 V	110 V	-
R412000147	-	230 V	230 V	-

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
R412000144	-	-	2,1 W	-
R412000145	-20% / +10%	-10% / +20%	-	4 VA
R412000146	-20% / +10%	-10% / +20%	-	4 VA
R412000147	-20% / +10%	-10% / +20%	-	4,1 VA

Part No.	Switch-on power	Weight
	AC 50 Hz	
R412000144	-	0,14 kg
R412000145	4 VA	0,134 kg
R412000146	4 VA	0,122 kg
R412000147	4,1 VA	0,137 kg

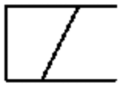
Dimensions

Dimensions



Coil, Series CO1

- Cable with valve plug connector
- Coil width 30 mm
- Power consumption,DC 3.25 W
- Holding power,AC 2.9-3 VA
- Switch-on power,AC 3-3.1 VA
- ATEX



Certificates	ATEX
ATEX class G	II 2G Ex mb IIC T4 Gb
ATEX class D	II 2D Ex mb tb IIIC T130°C Db IP65
Ambient temperature min./max.	-20 ... 50 °C
Protection class	IP65
Duty cycle ED	100 %
Compatibility index	14
Weight	See table below

Technical data

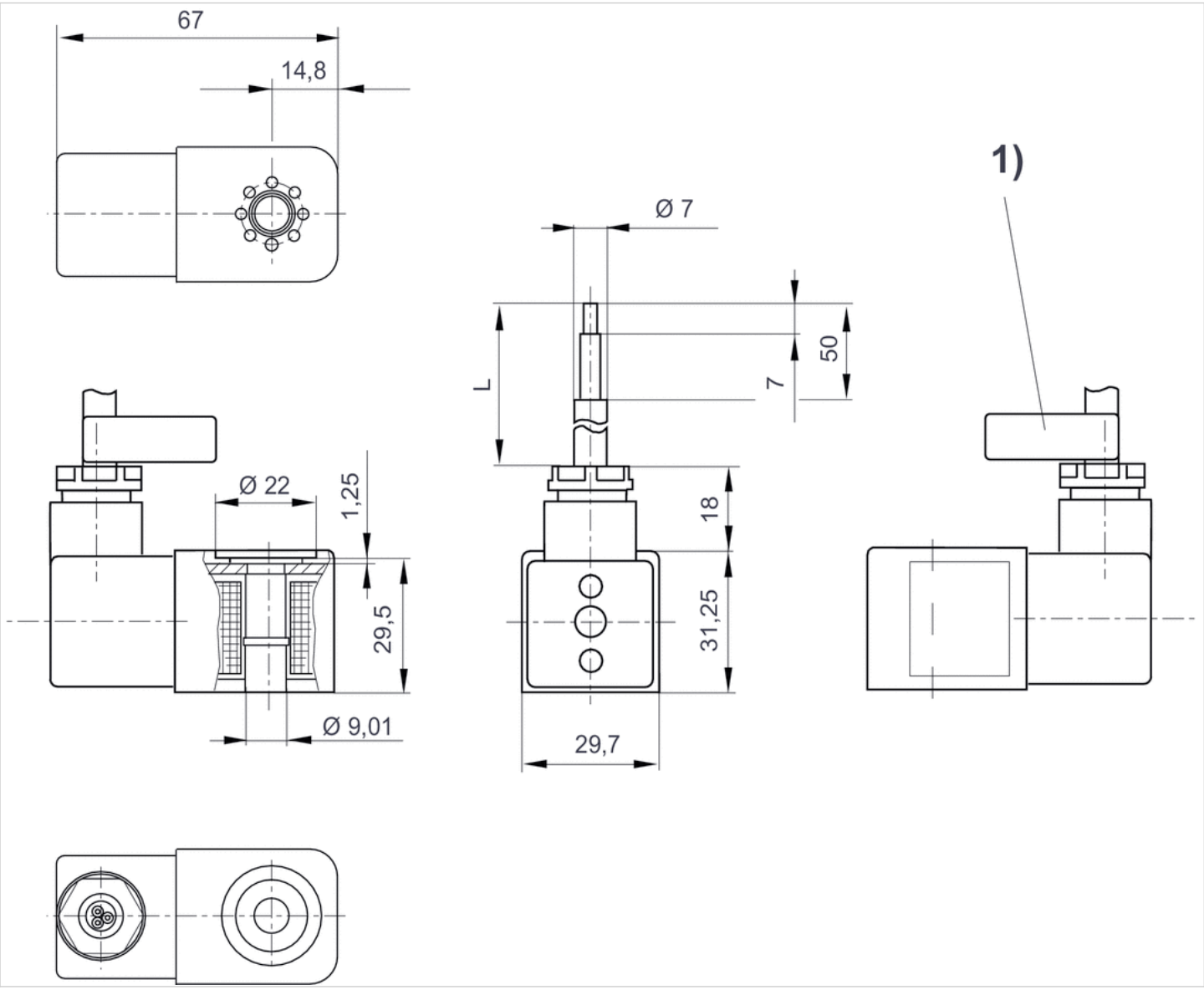
Part No.	Operationalvoltage	Operationalvoltage	Operationalvoltage	Voltage tolerance
	DC	AC 50 Hz	AC 60 Hz	DC
1827414297	-	230 V	230 V	-
1827414298	-	230 V	230 V	-
1827414299	-	110 V	110 V	-
1827414300	-	110 V	110 V	-
1827414301	-	24 V	24 V	-
1827414302	-	24 V	24 V	-
1827414303	24 V	-	-	-10% / +10%
1827414304	24 V	-	-	-10% / +10%

Part No.	Voltage tolerance	Power consumption	Holding power	Switch-on power
	AC 50 Hz	DC	AC 50 Hz	AC 50 Hz
1827414297	-10% / +10%	-	3 VA	3,1 VA
1827414298	-10% / +10%	-	3 VA	3,1 VA
1827414299	-10% / +10%	-	2,9 VA	3 VA
1827414300	-10% / +10%	-	2,9 VA	3 VA
1827414301	-10% / +10%	-	2,9 VA	3 VA
1827414302	-10% / +10%	-	2,9 VA	3 VA
1827414303	-	3,25 W	-	-
1827414304	-	3,25 W	-	-

Part No.	Cable length	Weight
1827414297	3 m	0,38 kg
1827414298	10 m	0,91 kg
1827414299	3 m	0,38 kg
1827414300	10 m	0,38 kg
1827414301	3 m	0,38 kg
1827414302	10 m	0,91 kg
1827414303	3 m	0,38 kg
1827414304	10 m	0,91 kg

Dimensions

Dimensions

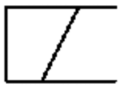


L = cable length
1) Cable ID band with serial number

Coil, Series CO1

- form A
- Coil width 30 mm
- Power consumption,DC 2.7 W
- Holding power,AC 4.8-5.6 VA

Connector standard	EN 175301-803, form A
electrical connections	Plug, 3-pin
Ambient temperature min./max.	50 °C
Protection class,With valve plug connector/plug	IP65
Duty cycle ED	100 %
Compatibility index	14
Weight	0,096 kg



Technical data

Part No.	Operationalvoltage	Operationalvoltage	Operationalvoltage	Voltage tolerance
	DC	AC 50 Hz	AC 60 Hz	DC
5420897022	24 V	-	-	-10% / +10%
5428117022	-	24 V	24 V	-
5428117072	-	110 V	110 V	-
5428117082	-	230 V	230 V	-

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5420897022	-	-	2,7 W	-
5428117022	-20% / +10%	-10% / +20%	-	5,2 VA
5428117072	-20% / +10%	-10% / +20%	-	4,8 VA
5428117082	-20% / +10%	-10% / +20%	-	5,6 VA

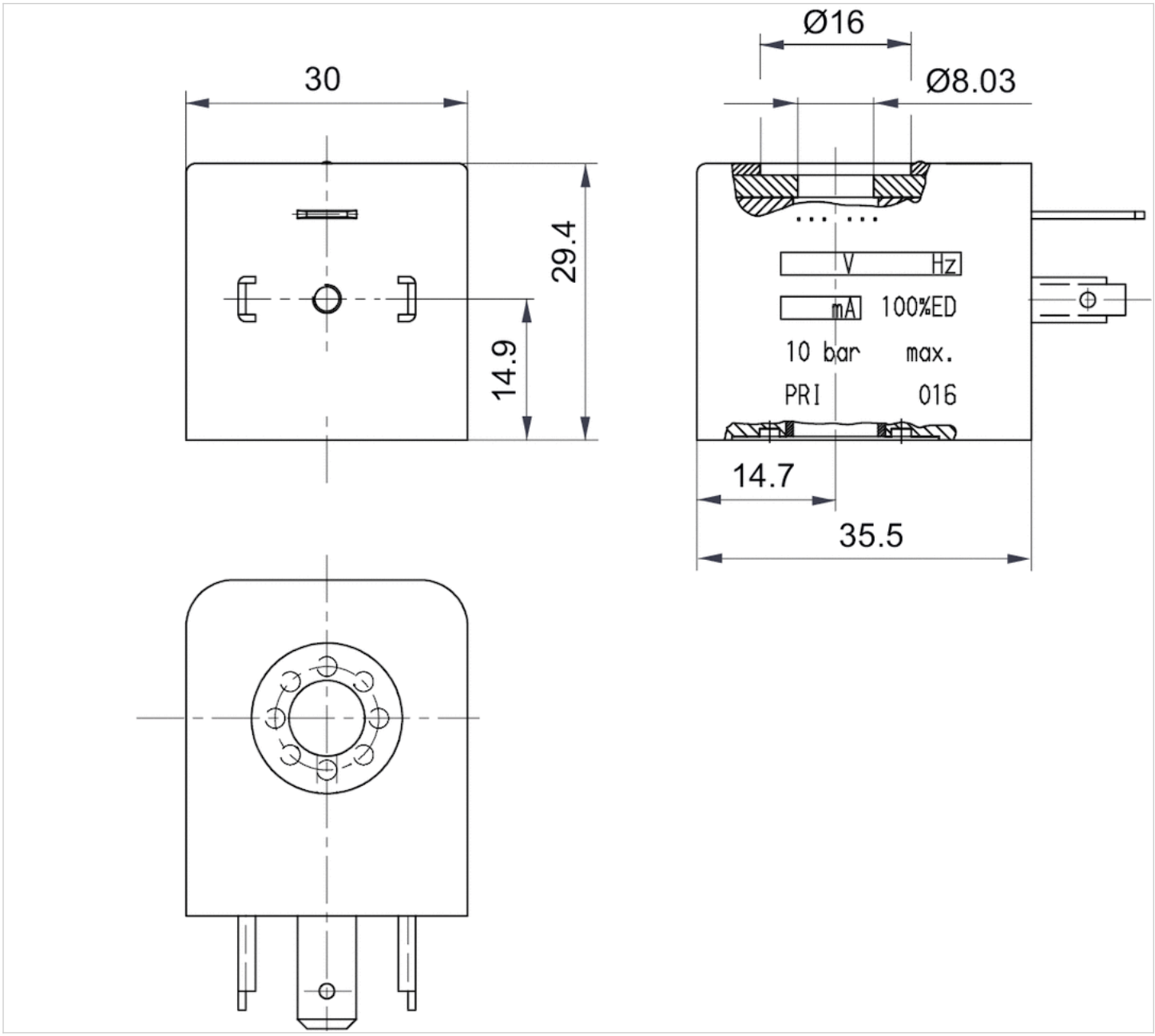
Part No.	Holding power
	AC 60 Hz
5420897022	-
5428117022	3,9 VA
5428117072	3,6 VA
5428117082	4,2 VA

Technical information

Material	
Housing	Thermoplastic elastomer

Dimensions

Dimensions



Adapter, Series CON-VP

- from form A to form C
- Socket, straight, 180°
- Plug, straight, 180°
- unshielded

Ambient temperature min./max.	-25 ... 50 °C
Operationalvoltage	42 V, DC
Protection class	IP65
Protection class	IP65
Weight	0,013 kg

Technical data

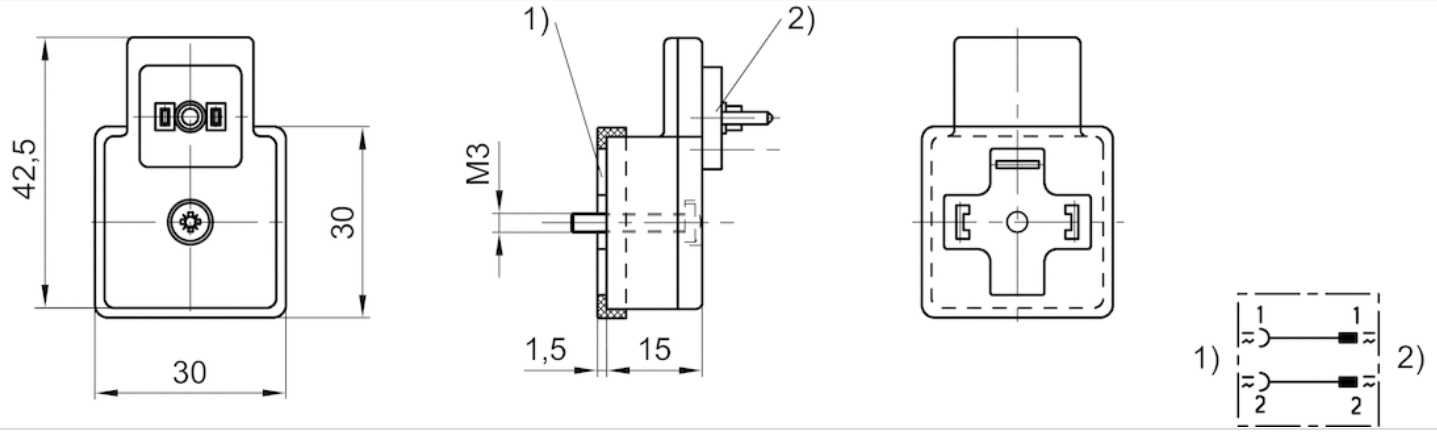
Part No.	Version	Max. current
8946053622	from form A to form C	0,5 A

Technical information

Material	
Housing	Polyamide

Dimensions

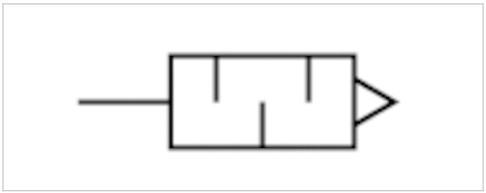
Dimensions



1) contact as per DIN EN 175301-803, form A
2) contact as per DIN EN 175301-803, form C

Silencers, series SI1

- Sintered bronze



Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Sound pressure level	See table below
Weight	See table below
Comment	Flow characteristic curves can be found under “Diagrams”.

Technical data

Part No.	Compressed air connection	Sound pressure level	Flow	Delivery unit	Weight
			Qn		
1827000006	M5	72 dB	398 l/min	10 piece	0,004 kg
8140000700	M7	-	-	10 piece	0,005 kg
5324001110	M10x1	75 dB	1747 l/min	1 piece	0,011 kg
5324001170	M12x1,5	80 dB	3049 l/min	1 piece	0,019 kg
5324001120	M14x1,5	80 dB	3390 l/min	1 piece	0,018 kg
5324001140	M22x1,5	85 dB	7223 l/min	1 piece	0,071 kg
1827000000	G 1/8	75 dB	1623 l/min	10 piece	0,01 kg
R412004817	G 1/4	-	5950 l/min	10 piece	0,013 kg
1827000001	G 1/4	79 dB	3390 l/min	10 piece	0,02 kg
1827000002	G 3/8	84 dB	6554 l/min	5 piece	0,05 kg
1827000003	G 1/2	90 dB	7223 l/min	2 piece	0,08 kg
1827000004	G 3/4	92 dB	8394 l/min	1 piece	0,13 kg
1827000005	G 1	102 dB	12848 l/min	1 piece	0,18 kg

Weight per piece

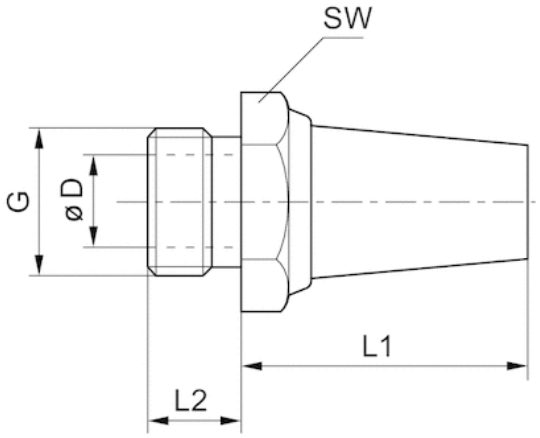
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Sintered bronze
Thread	Brass

Dimensions

Dimensions

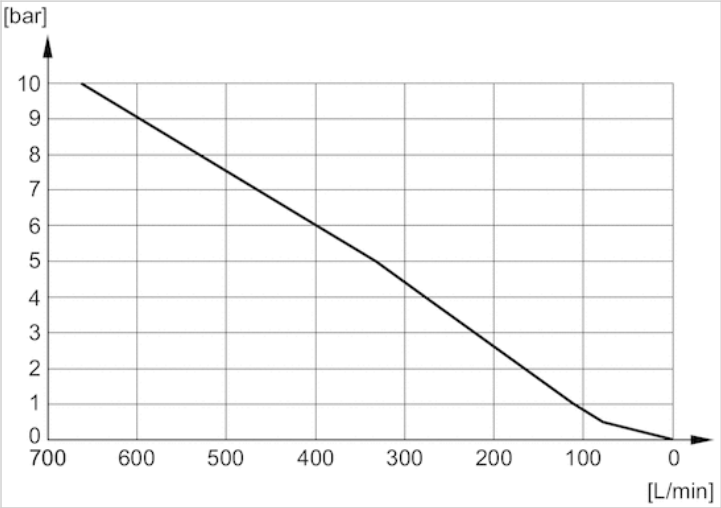


Dimensions

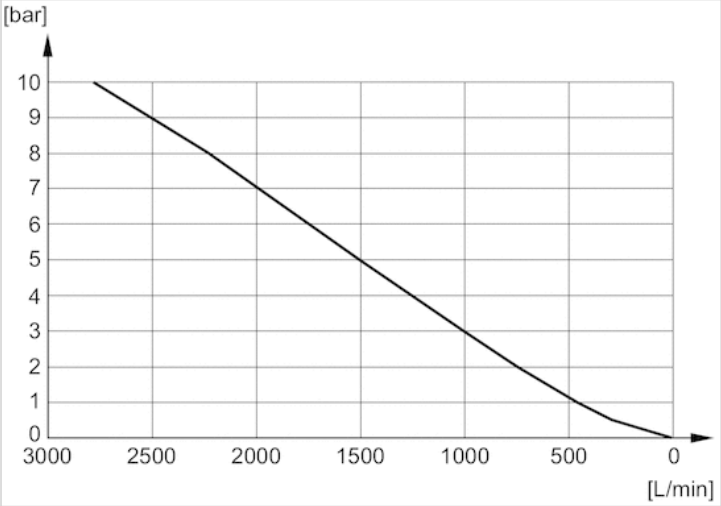
Part No.	Port G	SW	Ø D	L1	L2
1827000006	M5	7	2.5	15	5
8140000700	M7	10	4	15	5
5324001110	M10x1	13	6	18	6
5324001170	M12x1,5	17	8.5	25	8
5324001120	M14x1,5	17	8.5	25	8
5324001140	M22x1,5	27	13	45	12
1827000000	G 1/8	13	6	18	6
R412004817	G 1/4	16	8.5	18.7	7.6
1827000001	G 1/4	17	8.5	25	8
1827000002	G 3/8	22	12	34	10
1827000003	G 1/2	27	14.5	44	12
1827000004	G 3/4	32	19	66	14
1827000005	G 1	41	25	66	16

Diagrams

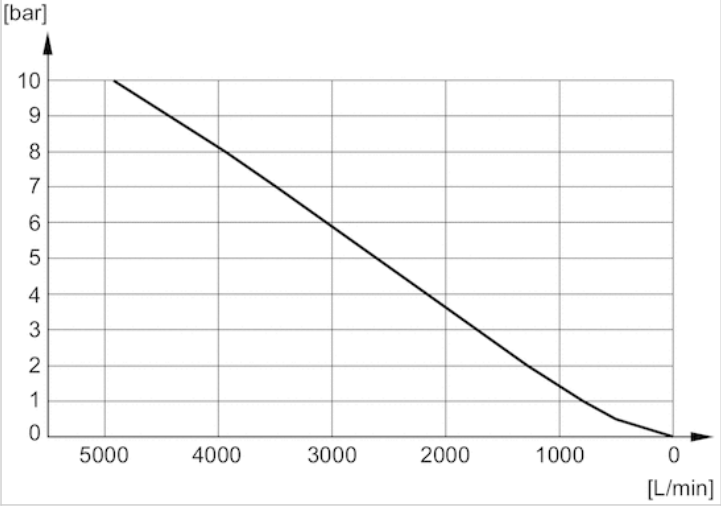
Flow diagram 1827000006



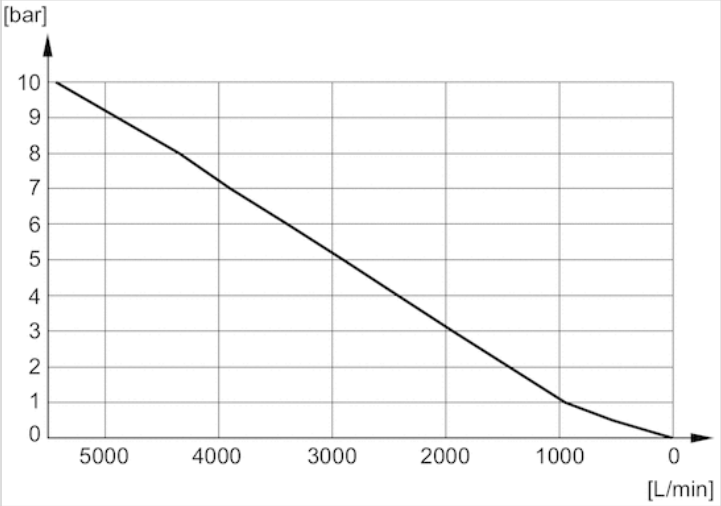
Flow diagram 5324001110



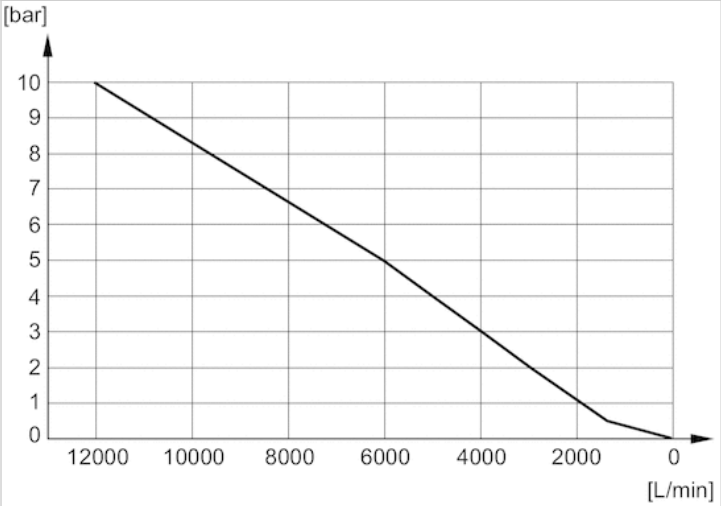
Flow diagram 5324001170



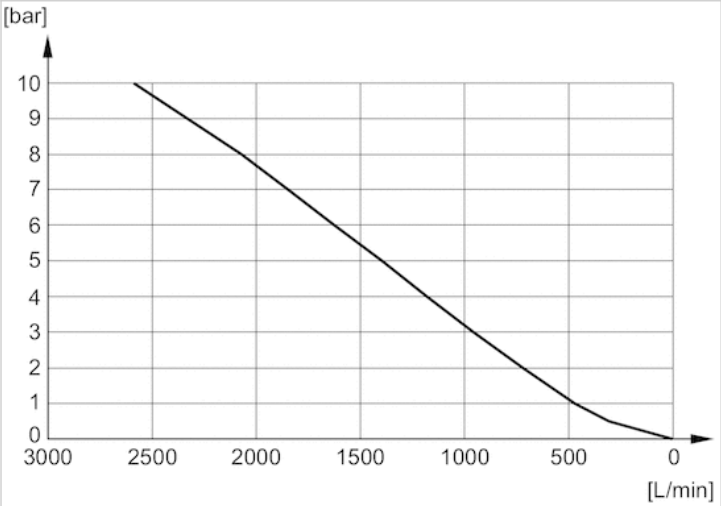
Flow diagram 5324001120



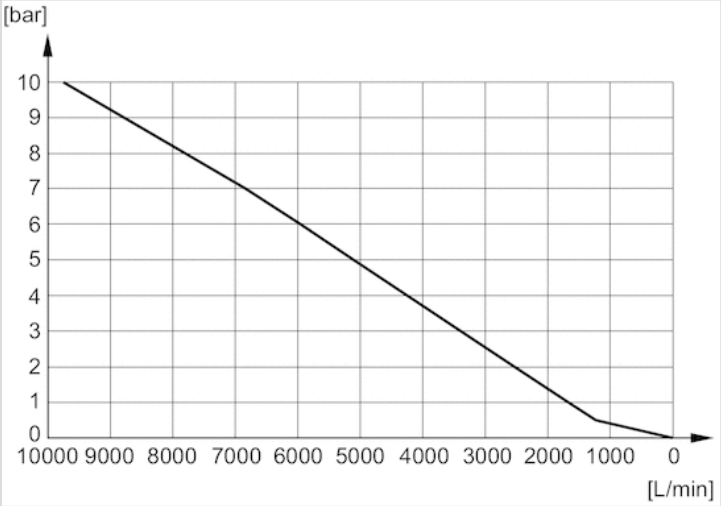
Flow diagram 5324001140



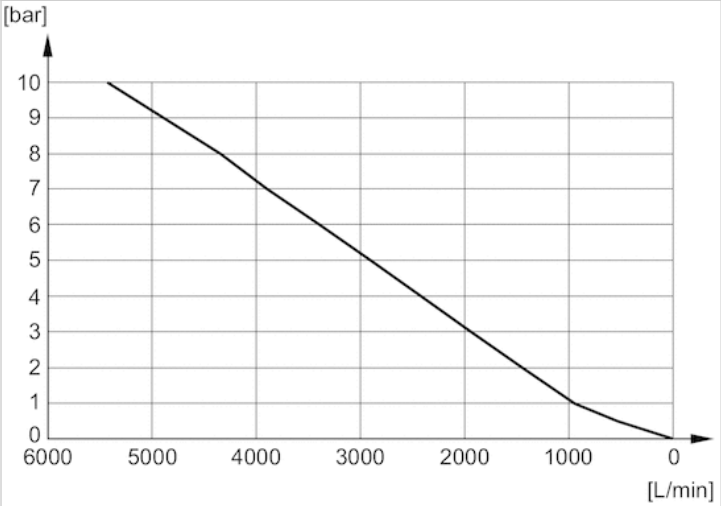
Flow diagram 1827000000



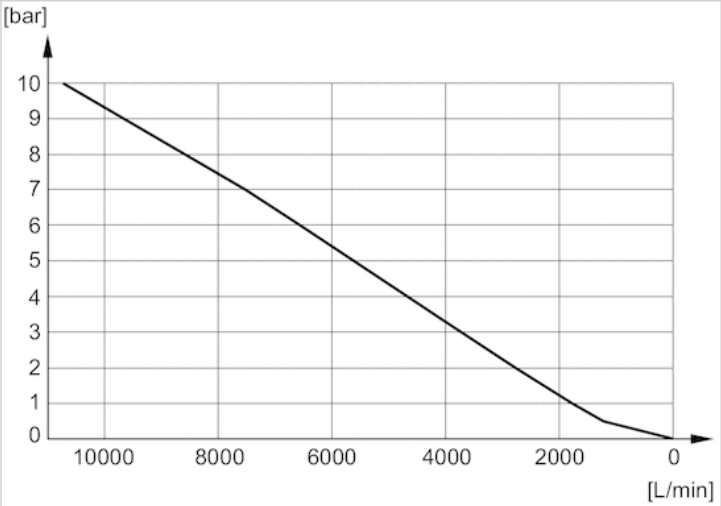
Flow diagram R412004817



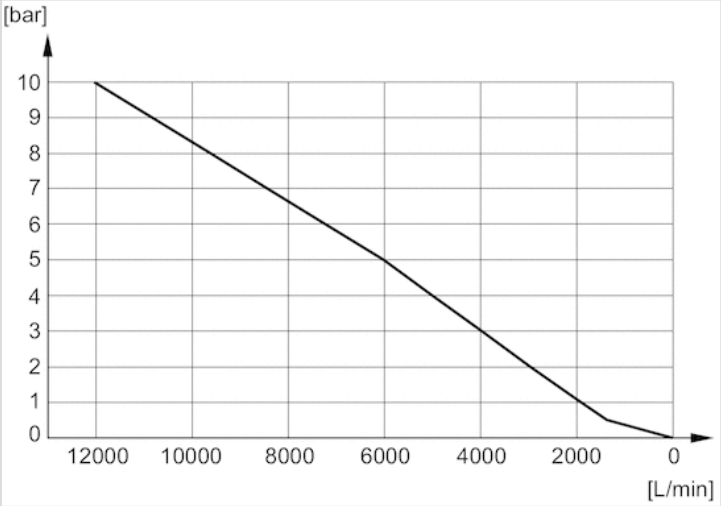
Flow diagram 1827000001



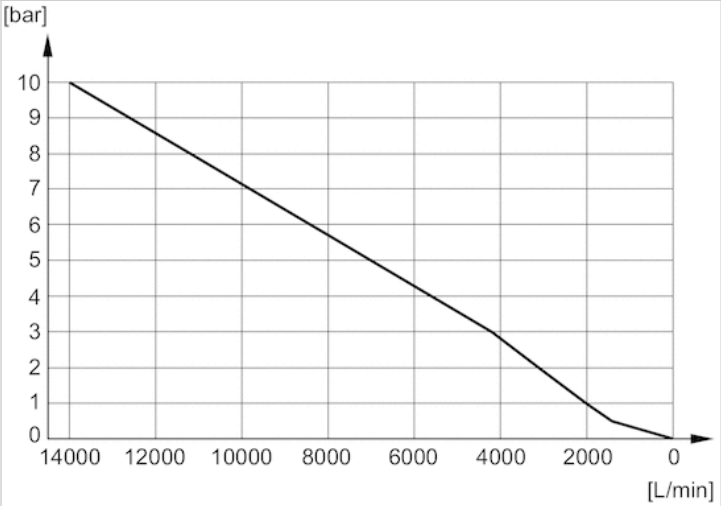
Flow diagram 1827000002



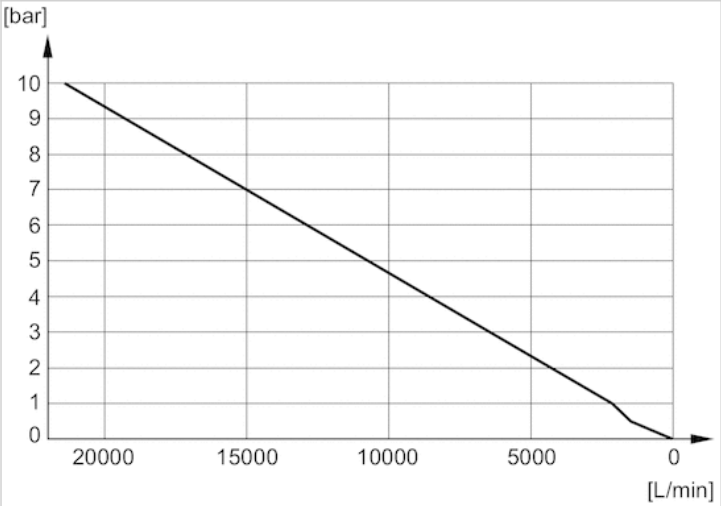
Flow diagram 1827000003



Flow diagram 1827000004

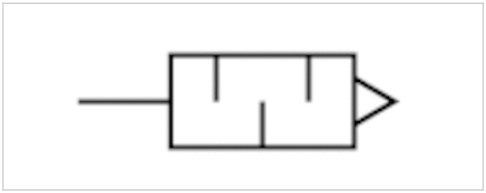


Flow diagram 1827000005



Silencers, series SI1

- Sintered bronze



Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Sound pressure level	See table below
Weight	See table below
Comment	Flow characteristic curves can be found under “Diagrams”.

Technical data

Part No.	Compressed air connection	Sound pressure level	Flow	Delivery unit	Weight
			Qn		
1827000032	M5	79 dB	252 l/min	10 piece	0,005 kg
1827000031	G 1/8	85 dB	700 l/min	10 piece	0,001 kg
1827000033	G 1/4	88 dB	1116 l/min	10 piece	0,01 kg
1827000034	G 3/8	90 dB	1706 l/min	5 piece	0,016 kg
1827000035	G 1/2	85 dB	2568 l/min	2 piece	0,035 kg
8145003400	G 3/4	82 dB	3260 l/min	1 piece	0,095 kg
8145001000	G 1	82 dB	9485 l/min	1 piece	0,057 kg

Weight per piece

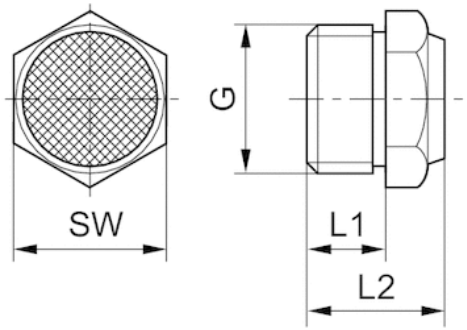
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Sintered bronze
Thread	Brass

Dimensions

Dimensions



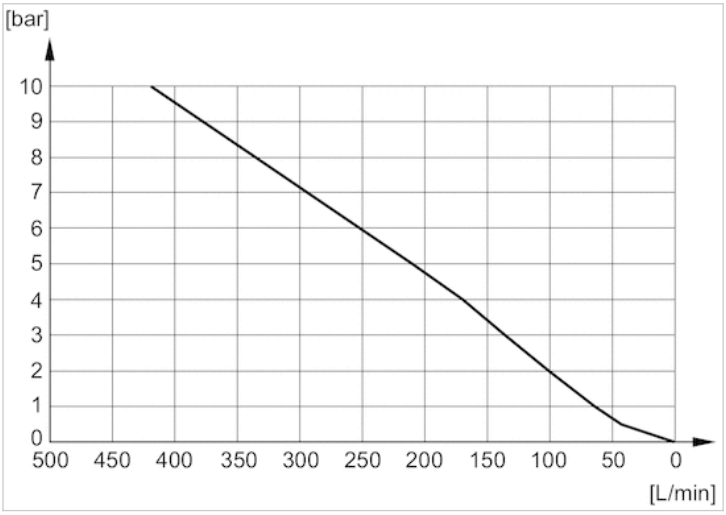
Dimensions

Part No.	Port G	L1	L2	SW
1827000032	M5	5	10.3	7
1827000031	G 1/8	6	11.5	13
1827000033	G 1/4	8	13.5	17
1827000034	G 3/8	10	17.5	22
1827000035	G 1/2	12	19.5	27
8145003400	G 3/4	14	22.5	32
8145001000	G 1	16	22.5	41

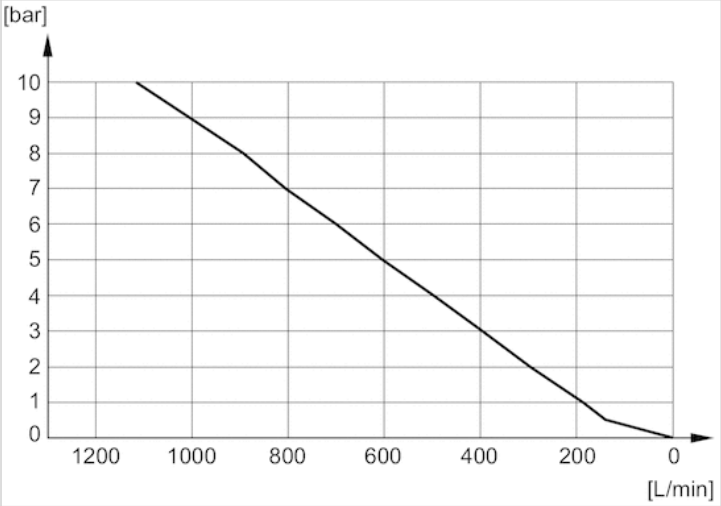
Sound pressure level measured at 6 bar at 1 m distance

Diagrams

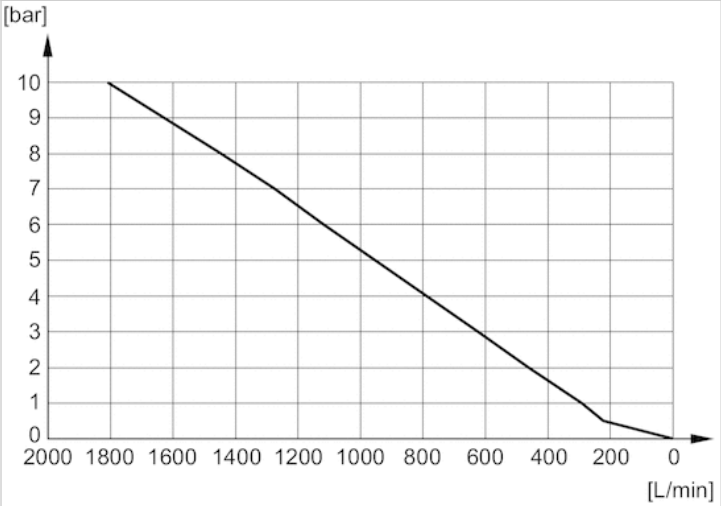
Flow diagram 1827000032



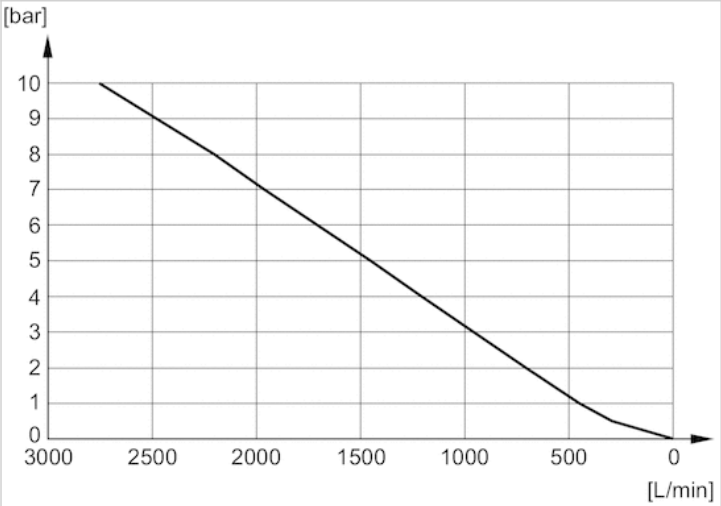
Flow diagram 1827000031



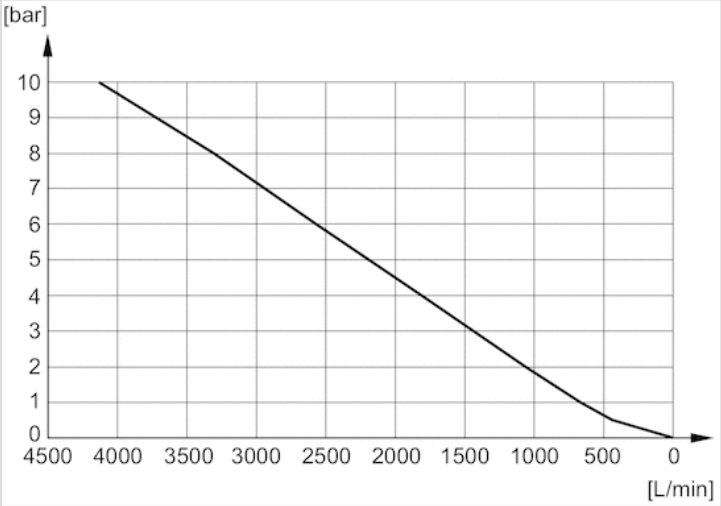
Flow diagram 1827000033



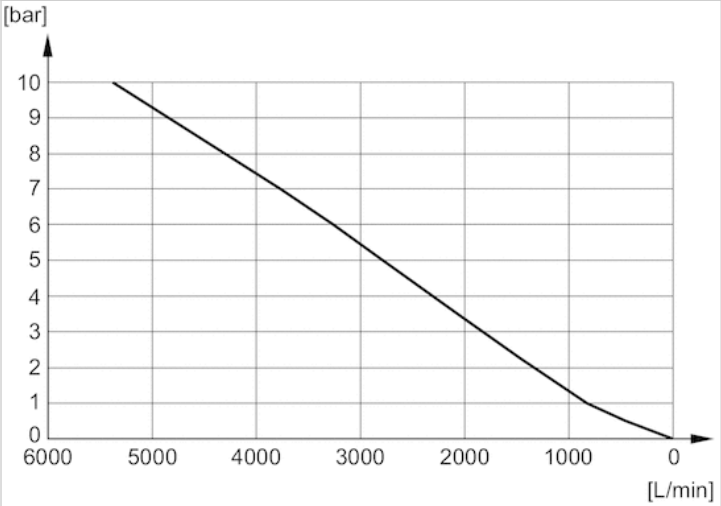
Flow diagram 1827000034



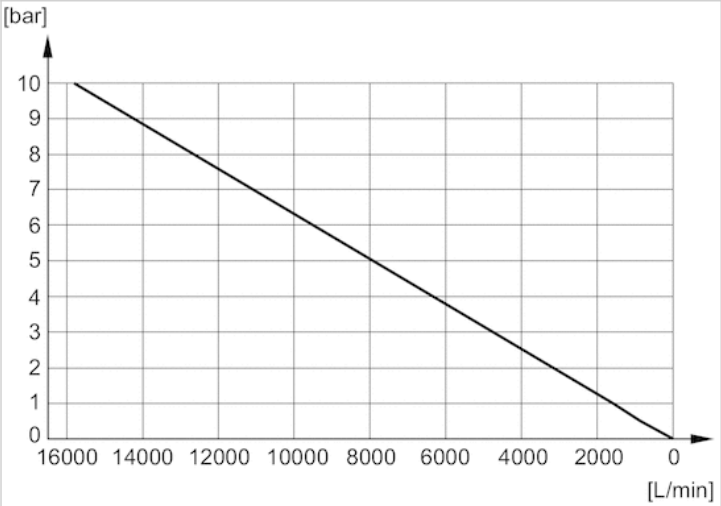
Flow diagram 1827000035



Flow diagram 8145003400

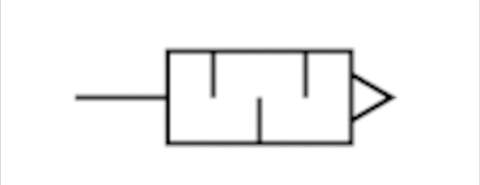


Flow diagram 8145001000



Silencers, series SI1

- Sintered bronze



Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Comment	Flow characteristic curves can be found under “Diagrams”.

Technical data

Part No.	Compressed air connection	Flow	Delivery unit
		Qn	
1827430004	G 1/8	311 l/min	10 piece
R414000155	G 1/4	553 l/min	10 piece
R412007875	G 3/8	743 l/min	5 piece
R412007876	G 1/2	1343 l/min	2 piece
R412007877	G 3/4	3585 l/min	2 piece
R412007878	G 1	5012 l/min	2 piece

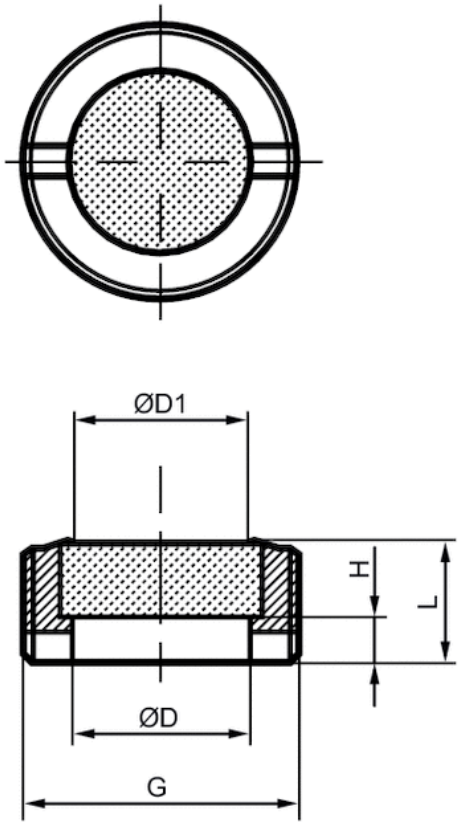
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Sintered bronze
Thread	Brass

Dimensions

Dimensions

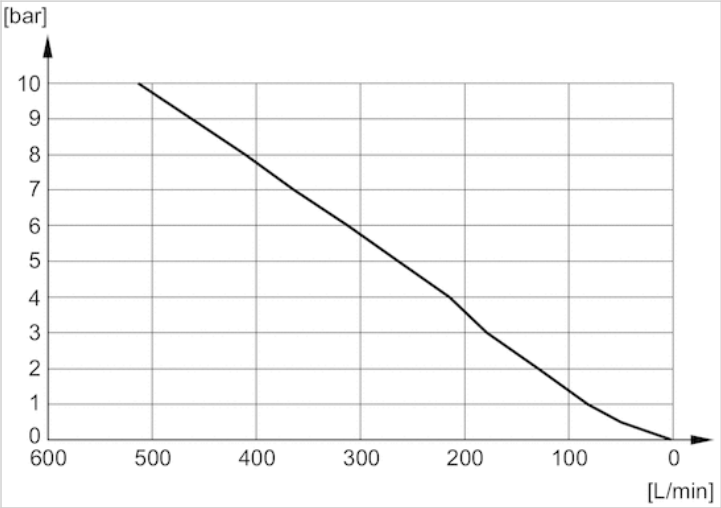


Dimensions

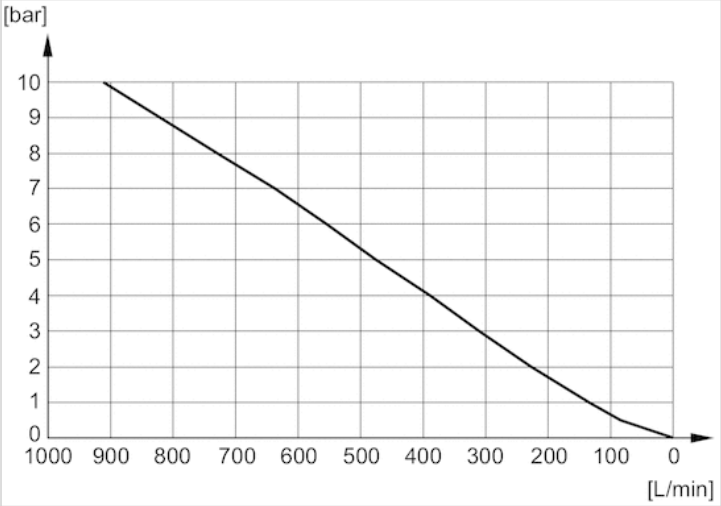
Part No.	Port G	Ø D	Ø D1	H	L
1827430004	G 1/8	6	5	2	4
R414000155	G 1/4	8	6	3	6
R412007875	G 3/8	10	8	3	7
R412007876	G 1/2	15	12	5	9
R412007877	G 3/4	20	17	3.4	8
R412007878	G 1	26	23	5.5	9.5

Diagrams

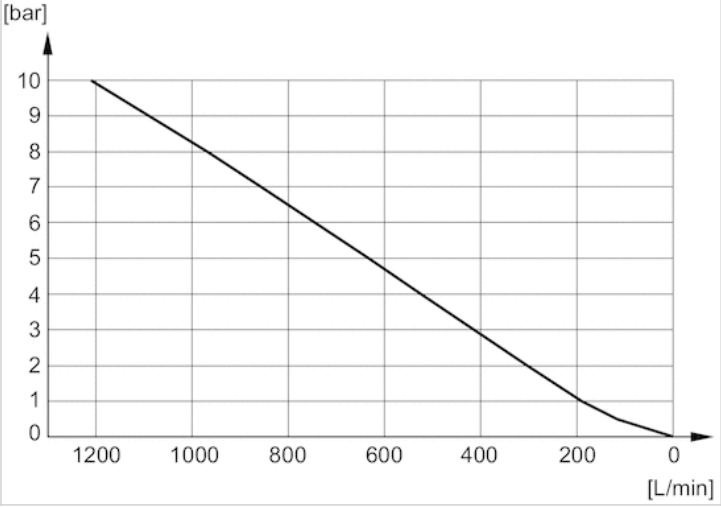
Flow diagram 1827430004



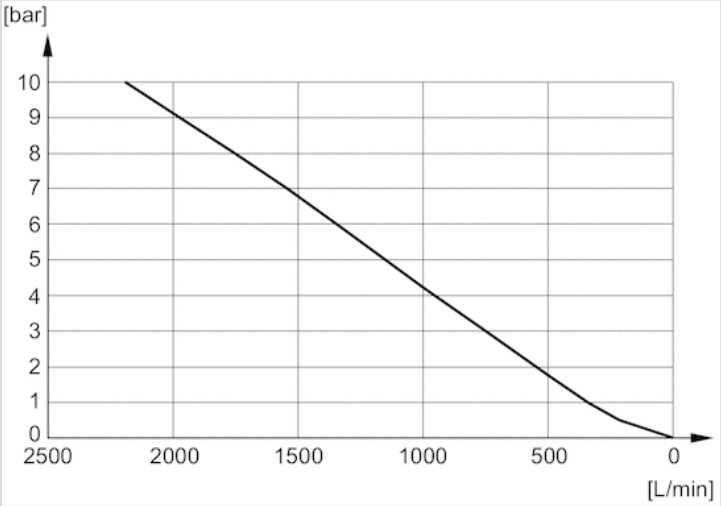
Flow diagram R414000155



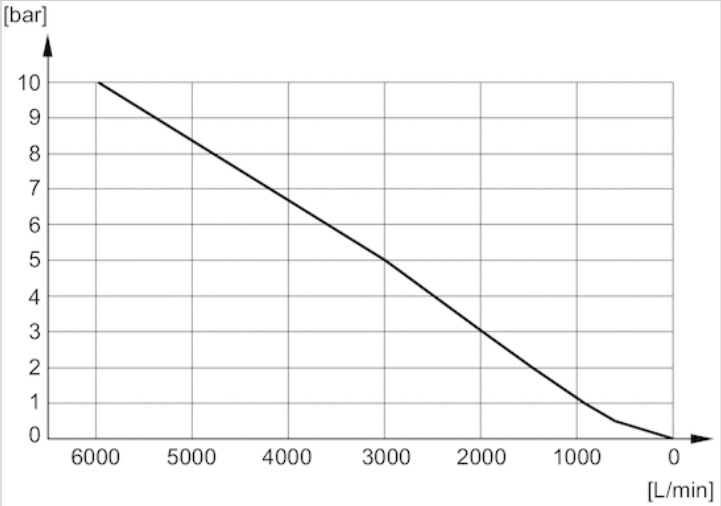
R412007875



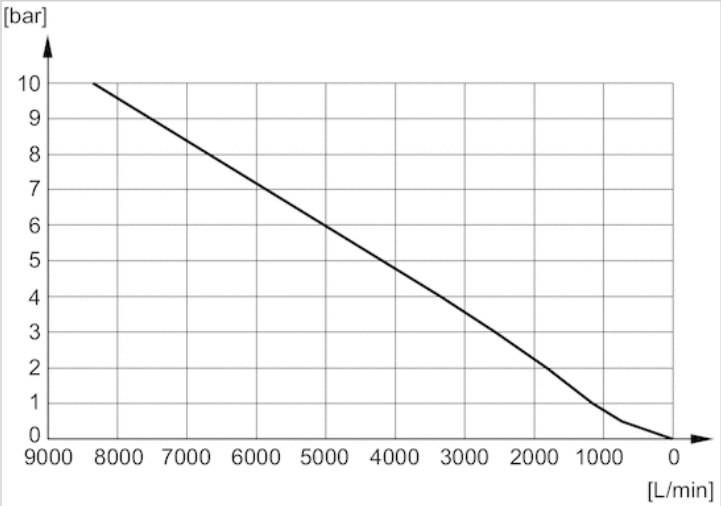
Flow diagram R412007876



Flow diagram R412007877

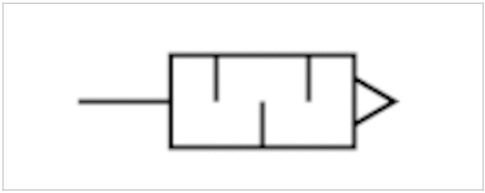


Flow diagram R412007878



Silencers, series SI1

- Stainless steel



Working pressure min./max.	0 ... 12 bar
Ambient temperature min./max.	-20 ... 150 °C
Medium	Compressed air
Sound pressure level	See table below
Weight	See table below
Comment	Flow characteristic curves can be found under “Diagrams”.

Technical data

Part No.	Compressed air connection	Sound pressure level	Flow	Delivery unit	Weight
			Qn		
R412010090	M5	85 dB	73 l/min	1 piece	0,003 kg
R412010081	G 1/8	90 dB	1312 l/min	1 piece	0,011 kg
R412010082	G 1/4	93 dB	1852 l/min	1 piece	0,021 kg
R412010083	G 3/8	101 dB	2678 l/min	1 piece	0,028 kg
R412010084	G 1/2	95 dB	5649 l/min	1 piece	0,048 kg
R412010085	G 3/4	110 dB	5945 l/min	1 piece	0,076 kg
R412010086	G 1	100 dB	7206 l/min	1 piece	0,099 kg

Weight per piece

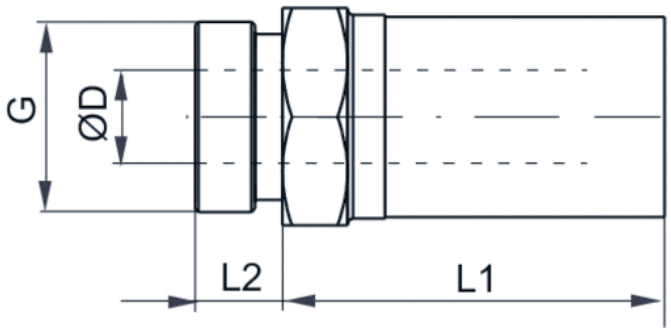
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Stainless steel
Thread	Stainless steel

Dimensions

Dimensions

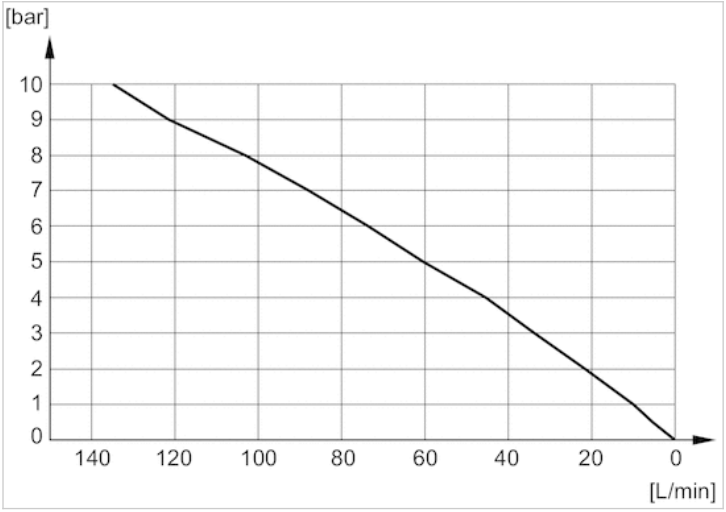


Dimensions

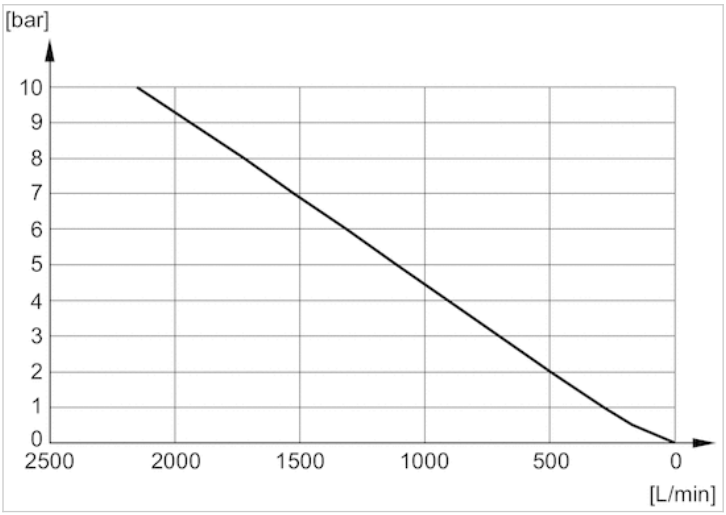
Part No.	Port G	SW	Ø D	L1	L2
R412010090	M5	8	3.1	10.5	3.5
R412010081	G 1/8	13	6.6	20	6
R412010082	G 1/4	16	8.6	29.5	7.5
R412010083	G 3/8	19	12.1	33.5	7.5
R412010084	G 1/2	24	15.3	39.5	9.5
R412010085	G 3/4	30	19.3	45	10
R412010086	G 1	36	25.5	49.5	11.5

Diagrams

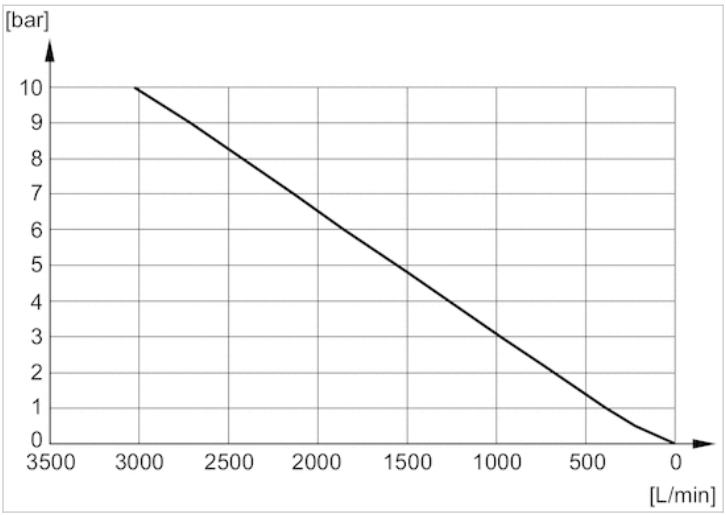
Flow diagram R412010090



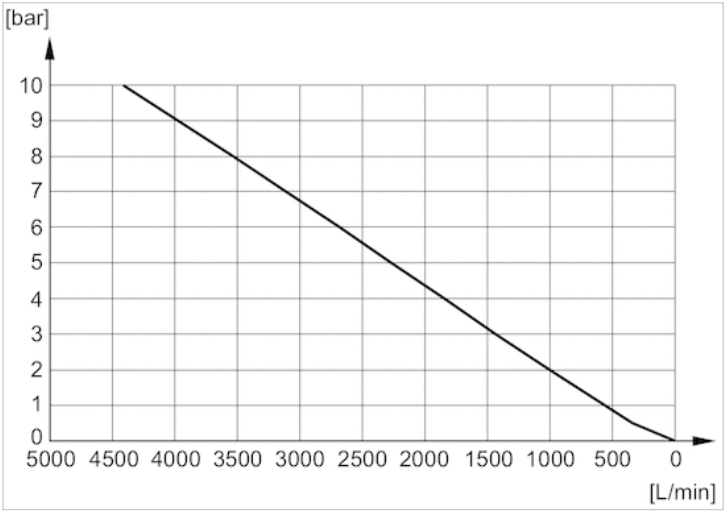
Flow diagram R412010081



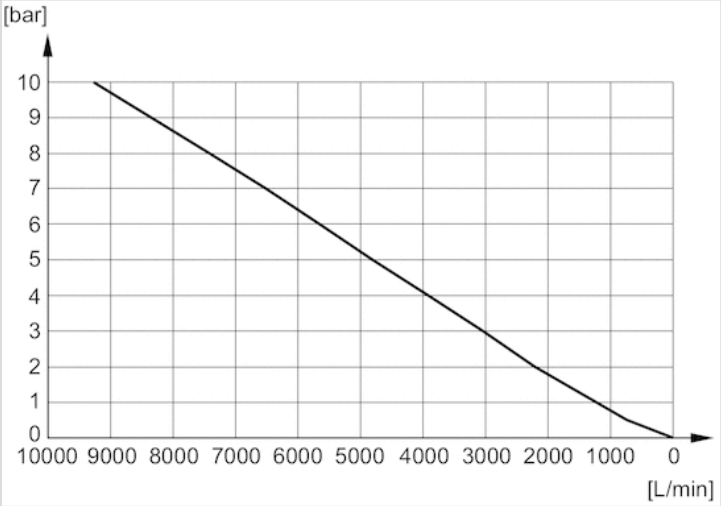
Flow diagram R412010082



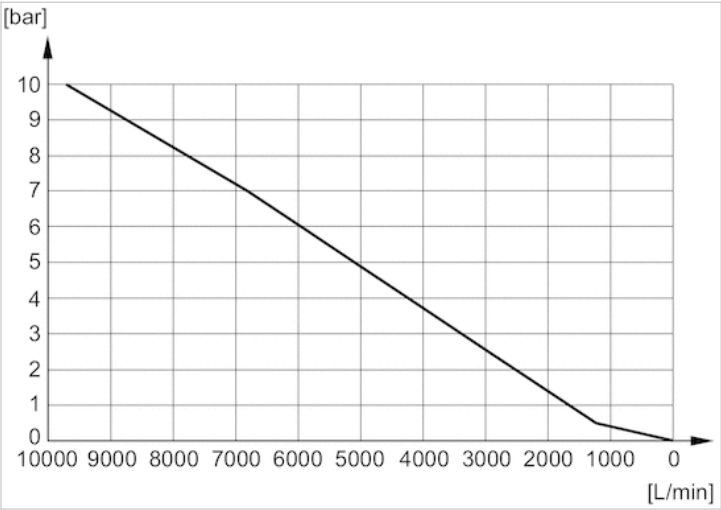
Flow diagram R412010083



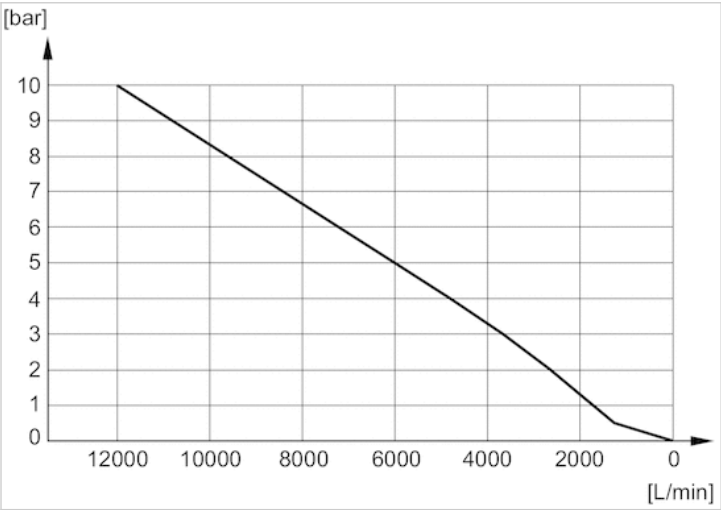
Flow diagram R412010084



Flow diagram R412010085

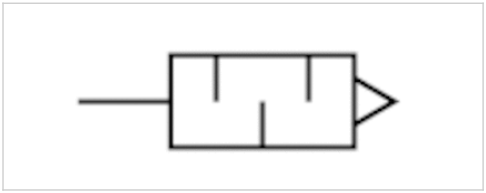


Flow diagram R412010086



Silencers, series SI1

- Polyethylene



Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Sound pressure level	See table below
Weight	See table below
Comment	Flow characteristic curves can be found under “Diagrams”.

Technical data

Part No.	Compressed air connection	Sound pressure level	Flow	Delivery unit	Weight
			Qn		
1827000018	M5	-	381 l/min	5 piece	0,001 kg
1827000019	G 1/8	78 dB	1560 l/min	5 piece	0,002 kg
1827000020	G 1/4	80 dB	3447 l/min	5 piece	0,003 kg
1827000021	G 3/8	85 dB	5682 l/min	2 piece	0,008 kg
1827000022	G 1/2	88 dB	7142 l/min	1 piece	0,013 kg
1827000023	G 3/4	-	8356 l/min	1 piece	0,04 kg
1827000024	G 1	-	13329 l/min	1 piece	0,055 kg

Weight per piece

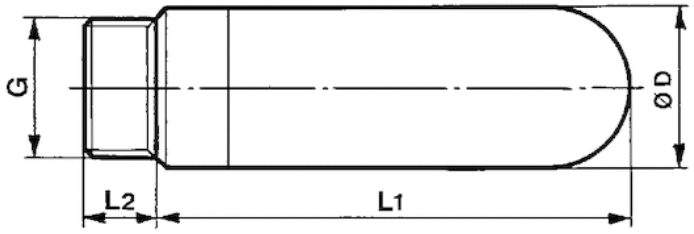
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Polyethylene
Thread	Polyethylene

Dimensions

Dimensions

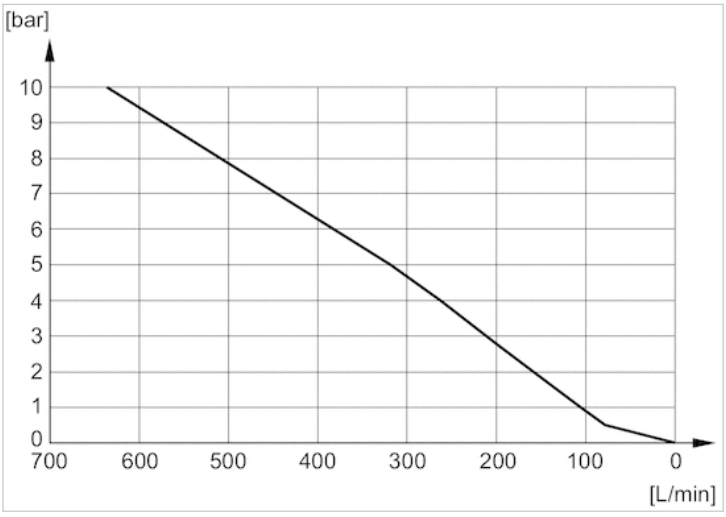


Dimensions

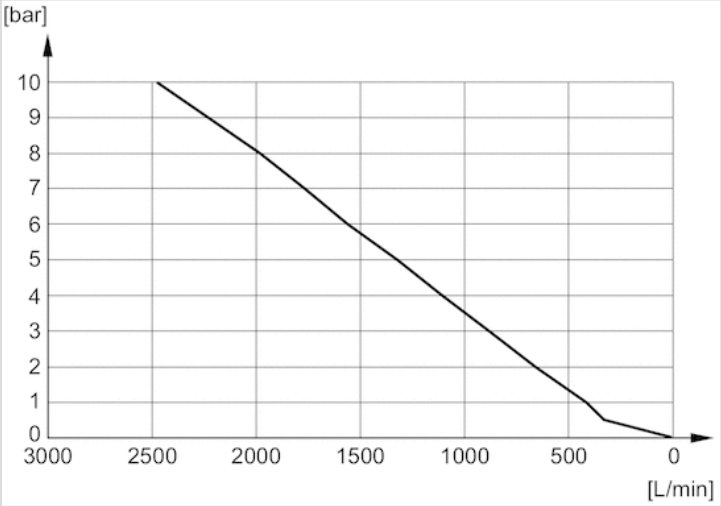
Part No.	Port G	Ø D	L1	L2
1827000018	M5	6.5	17.5	4
1827000019	G 1/8	12.5	28.5	5.5
1827000020	G 1/4	15.5	34.5	8
1827000021	G 3/8	18.5	56	11.5
1827000022	G 1/2	23.3	66.5	11
1827000023	G 3/4	38.5	115.5	16
1827000024	G 1	49	140	21

Diagrams

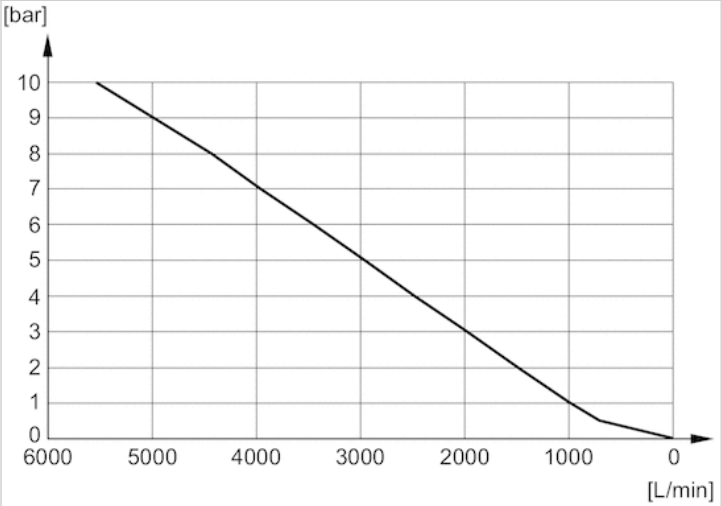
Flow diagram 1827000018



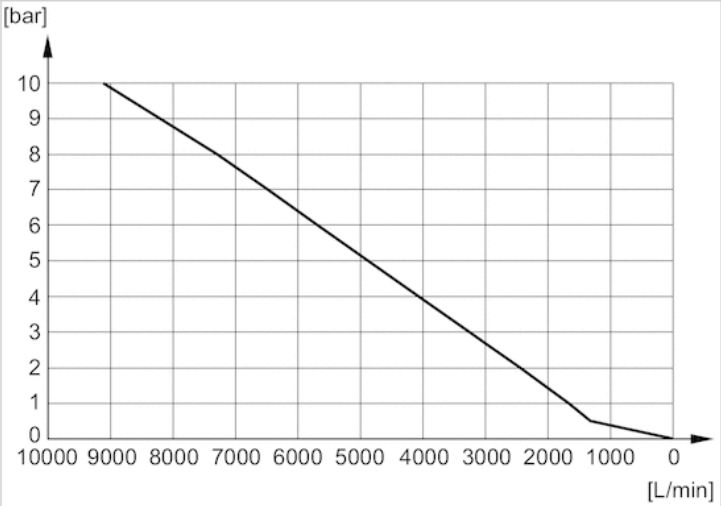
Flow diagram 1827000019



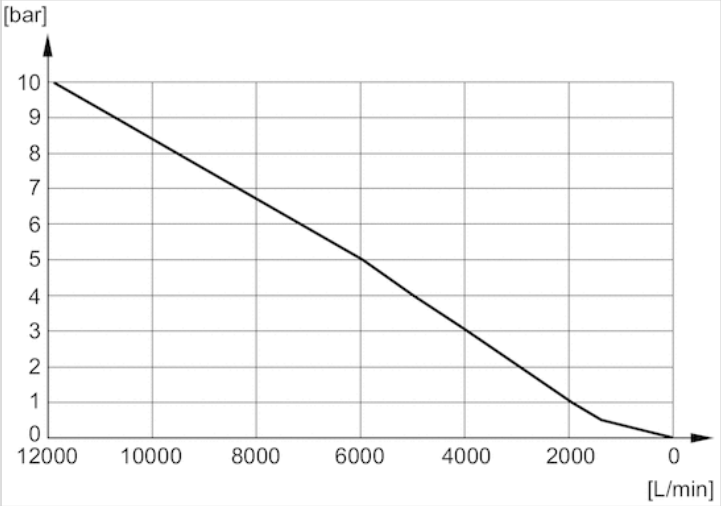
Flow diagram 1827000020



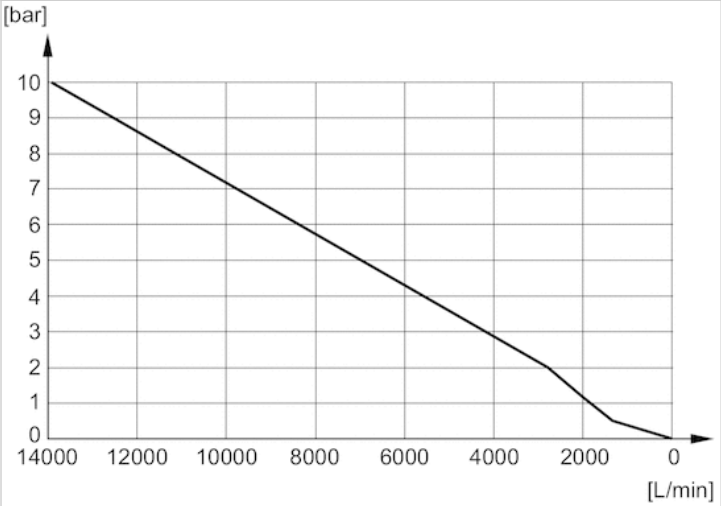
Flow diagram 1827000021



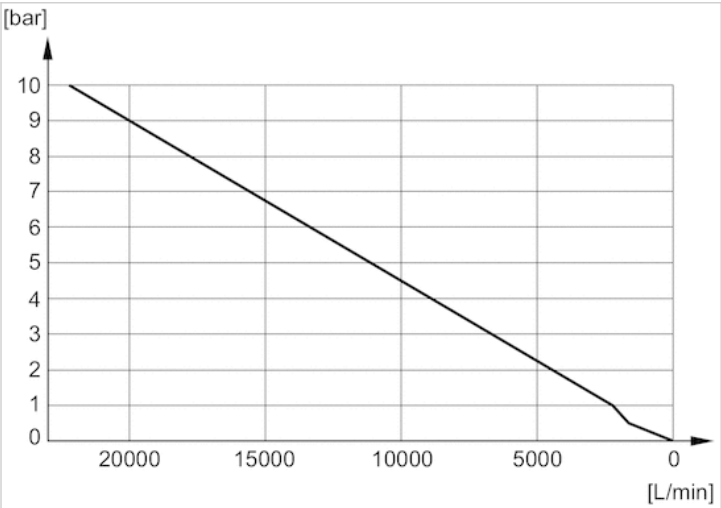
Flow diagram 1827000022



Flow diagram 1827000023



Flow diagram 1827000024



Blanking plate, for series CD07

Working pressure min./max.	-0,95 ... 16 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Number of valve positions,max.	1
Weight	0,181 kg

Technical data

Part No.
3354601024

Technical information

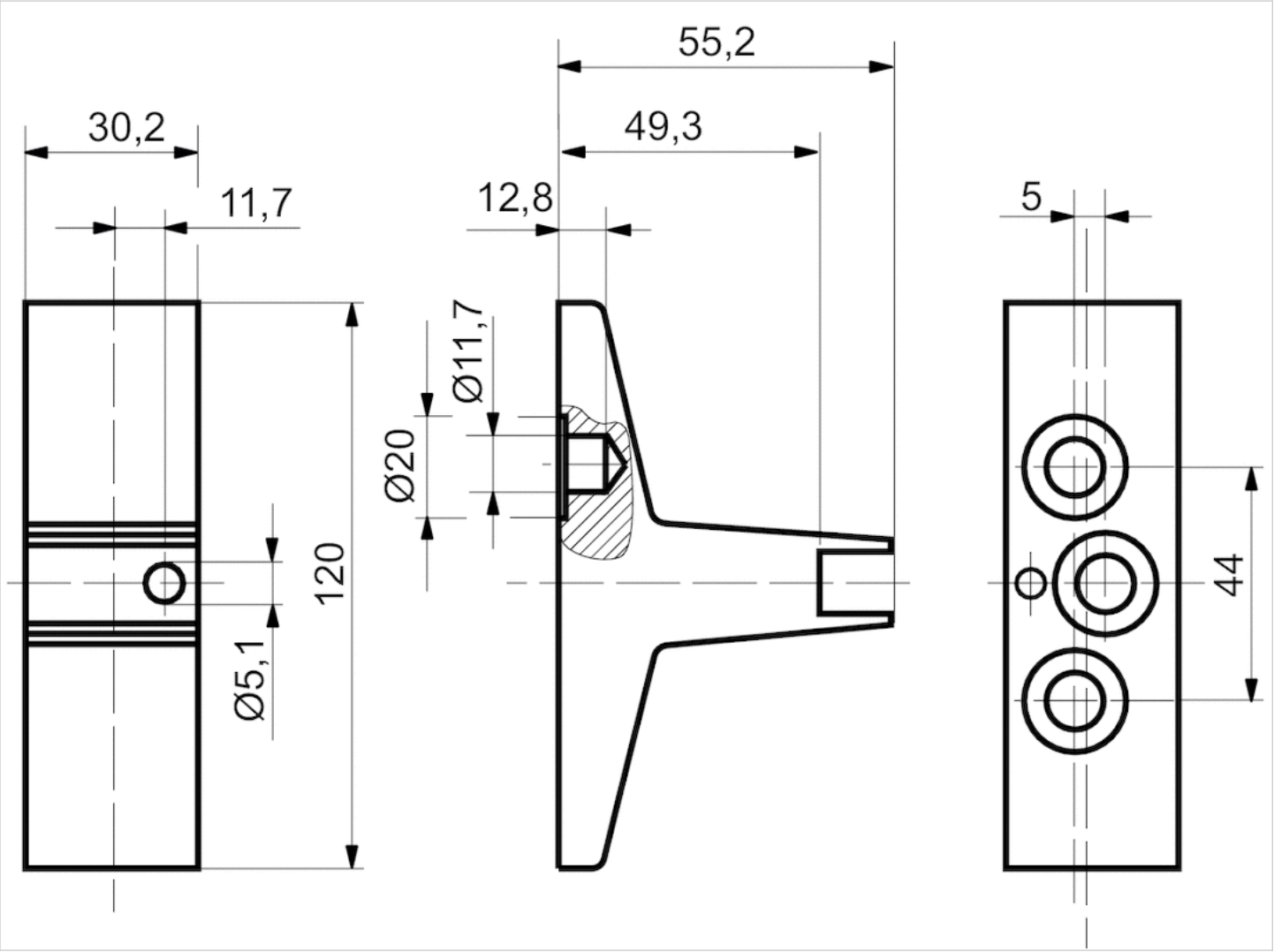
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Base plate	Aluminum
Seal	Acrylonitrile butadiene rubber

Dimensions

Dimensions



P-manifold

- for CD07
- 5/2 and 5/3-directional valves

Compressed air connection	according to ISO 228-1
Working pressure min./max.	-0,95 ... 16 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Exhaust (3,5)	uncollected exhaust
Weight	See table below

Technical data

Part No.	Compressed air connection Input [1]	Number of valve positions	Weight
3337120222	Ø 10x1	2	0,277 kg
3337120232	Ø 10x1	3	0,338 kg
3337120242	Ø 10x1	4	0,401 kg
3337120252	Ø 10x1	5	0,462 kg
3337120262	Ø 10x1	6	0,52 kg
3337120272	Ø 10x1	7	0,595 kg
3337120282	Ø 10x1	8	0,64 kg
3337120292	Ø 10x1	9	0,705 kg
3337120302	Ø 10x1	10	0,773 kg
3337120312	Ø 10x1	11	0,82 kg
3337120322	Ø 10x1	12	0,914 kg

Technical information

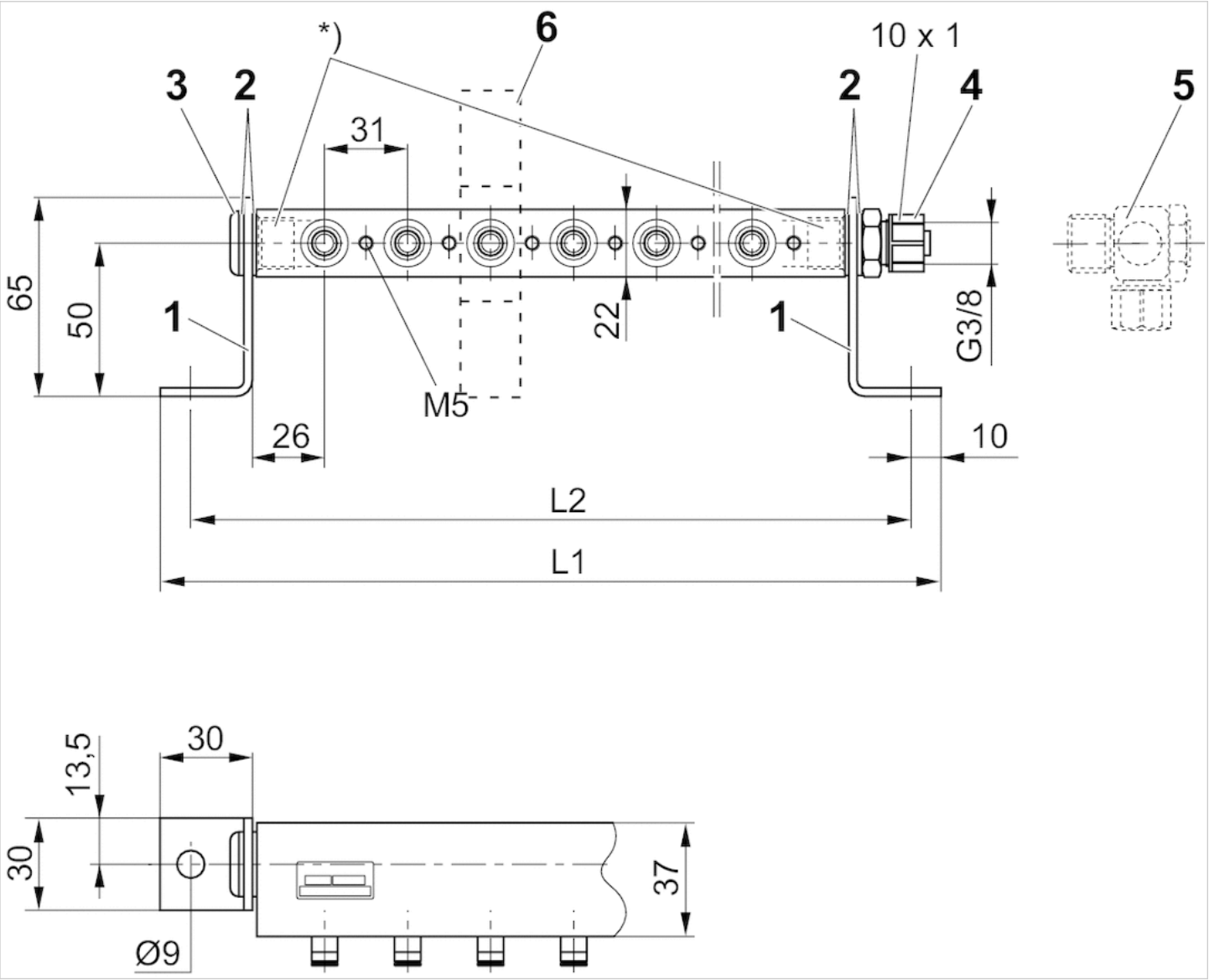
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Base plate	Aluminum, Polyoxymethylene
Seal	Acrylonitrile butadiene rubber
Mounting bracket	Steel

Dimensions

Dimensions



Angled bracket (1); seal DIN 7603 Al (2); blanking screw G 3/8 ISO 228/1 (3); push-in fittings G 3/8 ISO 228/1, diameter 10x1 (4); valve mounting screws (depending on the valve used): washer, screw, O-ring must be ordered separately: push-in fittings (5)
* Only use fittings with max. length of thread engagement equal to 12 mm.

Dimensions

Part No.	L1	L2
3337120222	152	132
3337120232	183	163
3337120242	214	194
3337120252	245	225
3337120262	276	256
3337120272	307	287
3337120282	338	318
3337120292	369	349
3337120302	400	380

Part No.	L1	L2
3337120312	431	411
3337120322	462	442

R, P, S subbase, Series CD07

Compressed air connection	according to ISO 228-1
Working pressure min./max.	-0,95 ... 16 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Exhaust (3,5)	With directional exhaust (3/5)
Exhaust type	Ports separated
Weight	See table below

Technical data

Part No.	Compressed air connection Input [1]	Compressed air connection Exhaust [3 / 5]
8985072042	G 1/2	G 1/2
8985072062	G 1/2	G 1/2
8985072082	G 1/2	G 1/2
8985072102	G 1/2	G 1/2
8985072122	G 1/2	G 1/2

Part No.	Compressed air connection Pilot connection [X]	Number of valve positions	Weight
8985072042	G 1/8	4	1,45 kg
8985072062	G 1/8	6	1,94 kg
8985072082	G 1/8	8	2,42 kg
8985072102	G 1/8	10	2,94 kg
8985072122	G 1/8	12	3,4 kg

Technical information

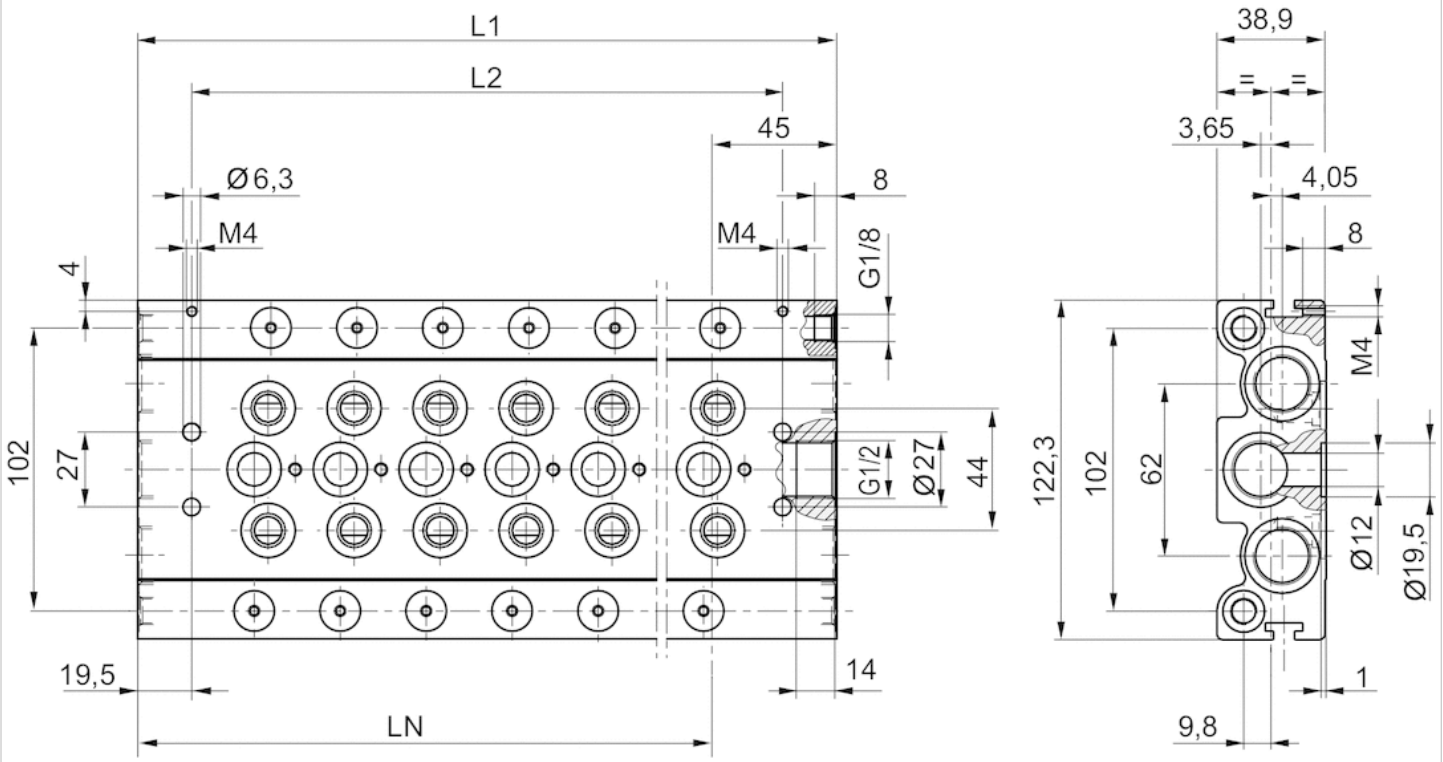
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Base plate	Aluminum, Polyoxymethylene
Seal	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Dimensions

Part No.	L1	L2	LN
8985072042	183	144	138
8985072062	245	206	200
8985072082	307	268	262
8985072102	369	330	324
8985072122	431	392	386

Accessories, Series CD07

Weight See table below

Technical data

Part No.	Fig.	Type
3354600002	Fig. 1	Mounting kit for 10 valves, delivery includes: 30 seals, 10 washers, and 10 mounting screws.
8970810404	Fig. 4	Seal for external pilot
3354600082	Fig. 2	P plug
3354600072	Fig. 3	R/S plug

Part No.	Suitable for	Delivery unit	Weight
3354600002	R, P, S subbase	1 piece	0,125 kg
8970810404	R, P, S subbase	1 piece	0,001 kg
3354600082	R, P, S subbase	1 piece	0,022 kg
3354600072	R, P, S subbase	1 piece	0,023 kg

Dimensions

Fig.1

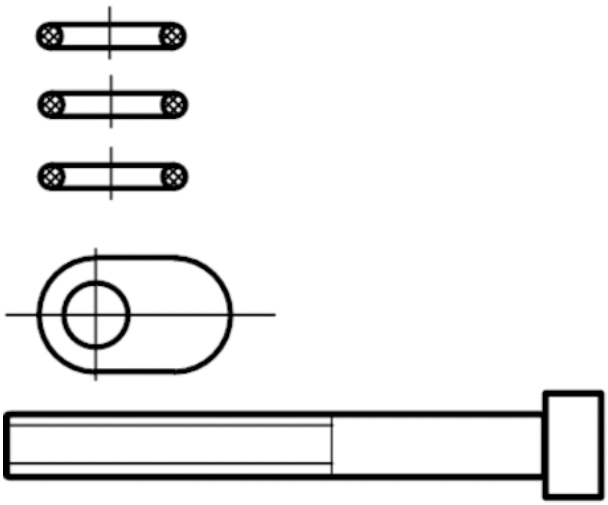


Fig.2

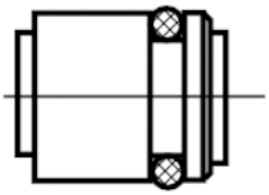


Fig.3

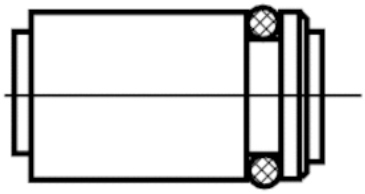


Fig.4

Kit, Series CD07

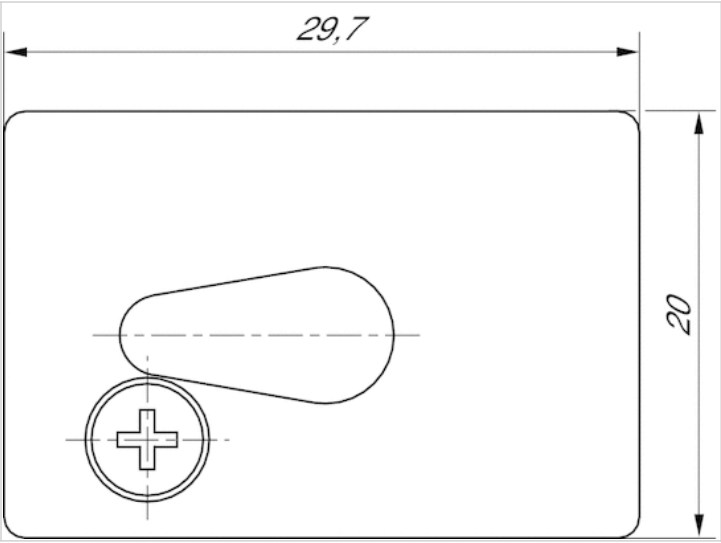
- for manual override

Weight 0,004 kg

Technical data

Part No.	Suitable for	Delivery unit
5420900002	Manual override lock	1 piece

Dimensions



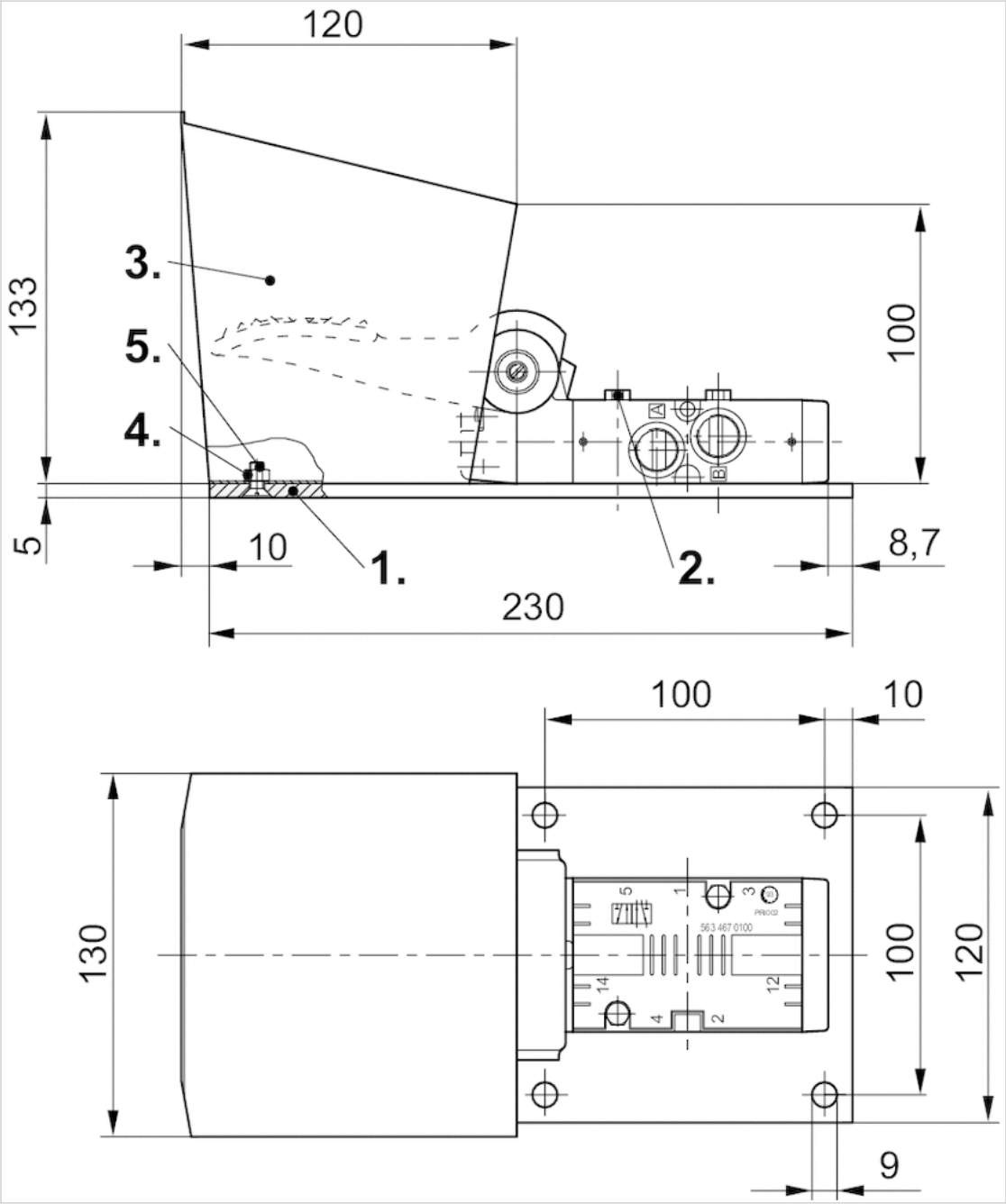
Accessories, Series CD07

Technical data

Part No.	Type	Delivery unit
5631174514	Protective cover	1 piece

Dimensions

Dimensions



1) Mounting plate
2) Hexagon screw M5x35
3) Protective cover
4) Screw M5x12 (not included in scope of delivery)
5) Hexagonal nut M5 (not included in the delivery contents)

Accessories, Series CD07

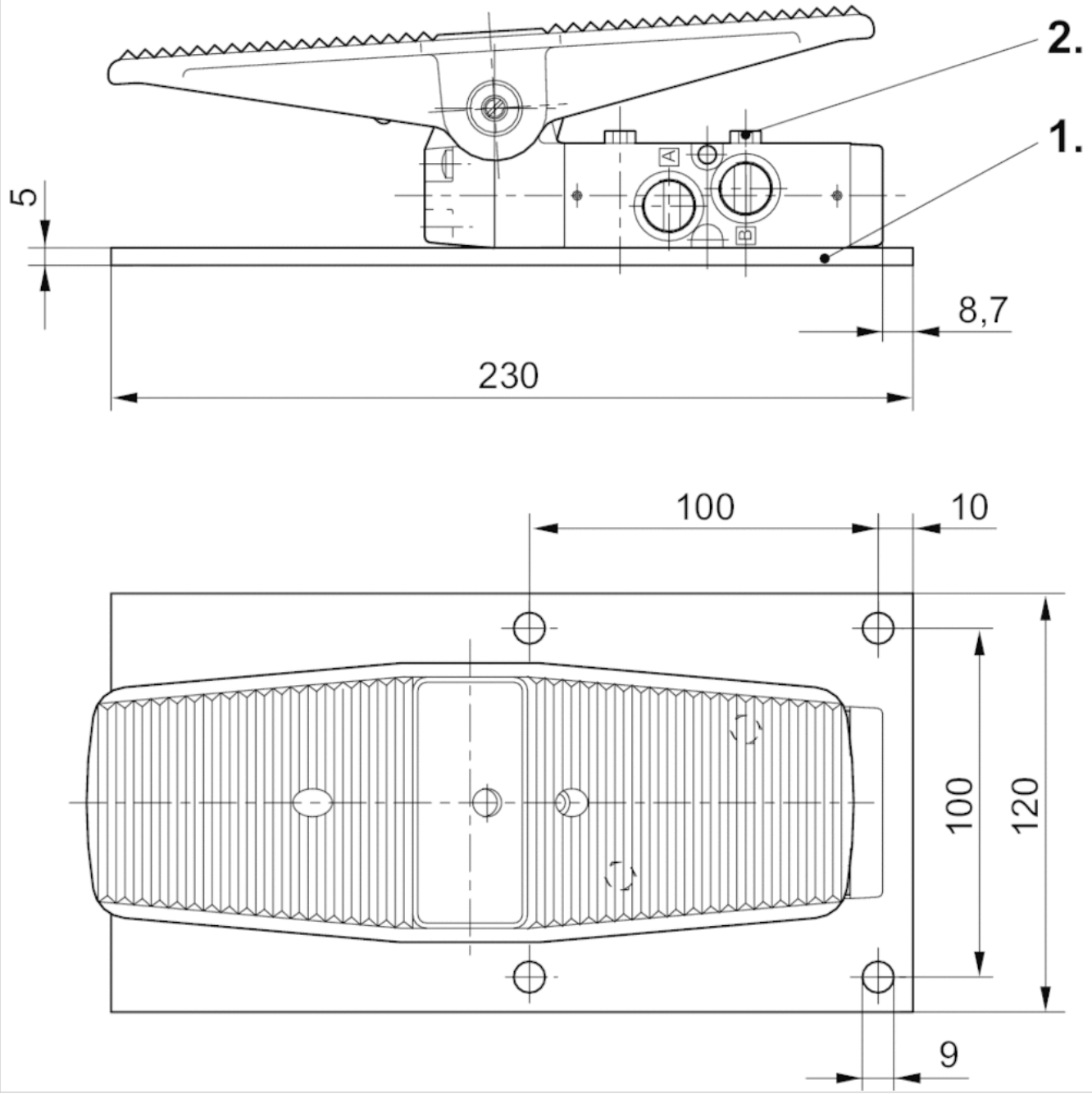
Technical data

Part No.	Type	Delivery unit
5631171004	Mounting plate	1 piece
8101260304	Hexagon screw M5x35	1 piece

Mounting plate, Hexagon screw M5x35

Dimensions

Dimensions



1) Mounting plate
2) Hexagon screw M5x35