## **CCSOA COILS SERIES**

18W - Continuous duty - ED100% **Plastic Encapsulation** 



(013,1)

#### DESCRIPTION

Magnetic circuit encapsulated with thermoplastic compound. Black standard colour. Metal parts protected against oxidation according to RoHS directive. Bore size: Ø13.1 mm

39

#### PROSPECTIVE





#### PERFORMANCE DETAILS



#### **TECHNICAL DATA**

40147
18W
both AC and DC
"F " (155°)
"H " (200°)
100%
±10% (DC); +10% -5% (AC)
see page 611
-30°C, 60° C (standard) -40°C, 80° C (with IXEF encapsulation)
see page 611
54
SK.027 (standard sealing NBR-BUNA-N)
0,170 kg

### **ORDERING CODE**



BOOR SIZE A = Ø 13,1 mm

# VOLTAGE

0 = Standard factory marking (logo+voltage+power). Customized marking can be

done upon request.

\*

\*

#### \* A 0 POWER A = 18W

MARKING

Model code	Type of connector
00	DIN43650
01	Flying Leads (200 mm)
02	AMP Junior
04	Bipolar cable
05	AMP Superseal
08	DEUTSCH (90°)
09	DEUTSCH
10	Faston
11	KOSTAL (M27 x 1)
13	KOSTAL (M24 x 1)
17	Dual spade

\* \*

**TYPE OF CURRENT** 

C = Direct current R = Alternate current \*please note alternate current coils have to be supplied with rectified current. Vis is suppling proper CCN connector to be used with different alternate current input voltages

# **CCHOA COILS SERIES**

20W - Continuous duty - ED100% **Plastic Encapsulation** 



(Ø13,1)

#### DESCRIPTION

Magnetic circuit encapsulated with thermoplastic compound. Black standard colour. Metal parts protected against oxidation according to RoHS directive. Bore size: Ø13.1 mm

39,3 )

#### PROSPECTIVE





#### PERFORMANCE DETAILS

Duty cycle vs ambient temperature & steady current vs ambient temperature



#### **TECHNICAL DATA**

POWER	20W
VARIOUS VOLTAGE OPTIONS AVAILABLE	both AC and DC
COILS INSULATION CLASS	"F " (155°)
WIRE INSULATION CLASS	"H " (180°)
ED	100%
SUPPLY POWER TOLERANCE	±10% (DC); +10% -5% (AC)
SEVERAL CONNECTOR OPTIONS AVAILABLE	see page 611
AMBIENT TEMPERATURE RANGE	-30°C, 60° C (standard) -40°C, 80° C (with IXEF encapsulation)
IP COIL WITH CONNECTOR	see page 611
IP COIL (WITHOUT O-RINGS AND NUT)	54
SEAL KIT CODE	SK.027 (standard sealing NBR-BUNA-N)
WEIGHT	0,190 kg

#### **ORDERING CODE**



A = Ø 13,1 mm

# VOLTAGE

(logo+voltage+power). Customized marking can be

done upon request.

		B	0	-
_				M
	P	OWER		c
	B	= 20W		

MARKING

Model code	Type of connector
00	DIN43650
01	Flying Leads (200 mm)
02	AMP Junior
05	AMP Superseal
08	DEUTSCH (90°)
17	Dual spade

\* \*

# 0 = Standard factory marking

\*

\* \*

#### **TYPE OF CURRENT**

C = Direct current R = Alternate current \*please note alternate current coils have to be supplied with rectified current. Vis is suppling proper CCN connector to be used with different alternate current input voltages

# **CCSOA COILS SERIES**

22W - Continuous duty - ED100% **Plastic Encapsulation** 



#### DESCRIPTION

Magnetic circuit encapsulated with thermoplastic compound. Black standard colour. Metal parts protected against oxidation according to RoHS directive. Bore size: Ø13,1 mm

38.5

65%

60%

55% 50%

-30 -25 -20 -15 -10 -5 0 5

#### PROSPECTIVE







current

60% %

55%

50%

#### PERFORMANCE DETAILS

ED with Vdc +10% [%]

--- Steady current guaranteed

with Vdc -10% [%]

NOTE

ambient temperature 110% 100% 105% 95% The above values had been 100% 90% realized with a ventilated 95% 85% 🛞 climatic climber. Values 90% over 80°C are iphotetical. 80% 85% ED (%) of guaranteed o 809 75% 70%

Duty cycle vs ambient temperature & steady current vs

10 15 20 25 30 35 40 45

Ambient temperature (°C)

50 55

60 65

70 75 80

#### **TECHNICAL DATA**

POWER	22W
VARIOUS VOLTAGE OPTIONS AVAILABLE	both AC and DC
COILS INSULATION CLASS	"F " (155°)
WIRE INSULATION CLASS	"H " (200°)
ED	100%
SUPPLY POWER TOLERANCE	±10% (DC); +10% -5% (AC)
SEVERAL CONNECTOR OPTIONS AVAILABLE	see page 611
AMBIENT TEMPERATURE RANGE	-30°C, 60° C (standard) -40°C, 80° C (with IXEF encapsulation)
IP COIL WITH CONNECTOR	see page 611
IP COIL (WITHOUT O-RINGS AND NUT)	54
SEAL KIT CODE	SK.027 (standard sealing NBR-BUNA-N)
WEIGHT	0,190 kg

\*

\*

### **ORDERING CODE**



BOOR SIZE A = Ø 13,1 mm

TYPE OF CURRENT

C = Direct current R = Alternate current \*please note alternate current coils have to be supplied with rectified current. Vis is suppling proper CCN connector to be used with different alternate current input voltages

#### C \* 0 VOLTAGE POWER

0 = Standard factory marking (logo+voltage+power).

Customized marking can be

done upon request.

C = 22W

MARKING

Model Type of connector code 00 DIN43650 01 Flying Leads (200 mm) 02 AMP Junior 04 Bipolar cable 05 AMP Superseal 08 DEUTSCH (90°) 09 DEUTSCH 10 Faston KOSTAL (M27 x 1) 11 13 KOSTAL (M24 x 1) 17 Dual spade

\* \*

# **CCSOA COILS SERIES**

27W - Continuous duty - ED100% **Plastic Encapsulation** 



#### DESCRIPTION

Magnetic circuit encapsulated with thermoplastic compound. Black standard colour. Metal parts protected against oxidation according to RoHS directive. Bore size: Ø13.1 mm

38,5

#### PROSPECTIVE







#### PERFORMANCE DETAILS



#### **TECHNICAL DATA**

POWER	27W
VARIOUS VOLTAGE OPTIONS AVAILABLE	both AC and DC
COILS INSULATION CLASS	"F " (155°)
WIRE INSULATION CLASS	"H " (200°)
ED	100%
SUPPLY POWER TOLERANCE	±10% (DC); +10% -5% (AC)
SEVERAL CONNECTOR OPTIONS AVAILABLE	see page 611
AMBIENT TEMPERATURE RANGE	-30°C, 60° C (standard) -40°C, 80° C (with IXEF encapsulation)
IP COIL WITH CONNECTOR	see page 611
IP COIL (WITHOUT O-RINGS AND NUT)	54
SEAL KIT CODE	SK.027 (standard sealing NBR-BUNA-N)
WEIGHT	0,250 kg

### **ORDERING CODE**



BOOR SIZE A = Ø 13,1 mm

TYPE OF CURRENT

C = Direct current

voltages

R = Alternate current

\*please note alternate current coils

have to be supplied with rectified

current. Vis is suppling proper

CCN connector to be used with

different alternate current input

# VOLTAGE

\*

D 0 POWER D = 27W

MARKING

#### Model Type of connector code 00 DIN43650 01 Flying Leads (200 mm) 02 AMP Junior 04 Bipolar cable 05 AMP Superseal 08 DEUTSCH (90°) 09 DEUTSCH 10 Faston KOSTAL (M27 x 1) 11 13 KOSTAL (M24 x 1) 17 Dual spade

\* \*

# 0 = Standard factory marking

\*

\*

(logo+voltage+power). Customized marking can be done upon request.

# **CCR1D COILS SERIES**

26W - Continuous duty - ED100% Plastic Encapsulation



0 16,2

#### DESCRIPTION

Magnetic circuit encapsulated with thermoplastic compound. Black standard colour. Metal parts protected against oxidation according to RoHS directive. Bore size: Ø16.2 mm

#### PROSPECTIVE





Duty cycle vs ambient temperature & steady current vs

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#### **PERFORMANCE DETAILS**



#### **TECHNICAL DATA**

POWER	26W
VARIOUS VOLTAGE OPTIONS AVAILABLE	both AC and DC
COILS INSULATION CLASS	"F " (155°)
WIRE INSULATION CLASS	"H " (180°)
ED	100%
SUPPLY POWER TOLERANCE	±10% (DC); +10% -5% (AC)
SEVERAL CONNECTOR OPTIONS AVAILABLE	see page 611
AMBIENT TEMPERATURE RANGE	-30°C, 60° C (standard) -40°C, 80° C (with IXEF encapsulation)
IP COIL WITH CONNECTOR	see page 611
IP COIL (WITHOUT O-RINGS AND NUT)	54
SEAL KIT CODE	SK.027 (standard sealing NBR-BUNA-N)
WEIGHT	0,170 kg

#### **ORDERING CODE**



#### **BOOR SIZE** A = Ø 16,2 mm

## VOLTAGE POWER L = 26W

L

MARKING

(logo+voltage+power). Customized marking can be

done upon request.

0	•	*	*	_
	Mode code	I 1	ype of	connector
	00		DIN	43650
	01	Fly	ing Lea	ads (200 mm)
	02		AM	<sup>o</sup> Junior
	04		Bipo	lar cable
	05		AMPS	Superseal

DEUTSCH (90°)

08

# 0 = Standard factory marking

\*

\* \*

#### **TYPE OF CURRENT**

C = Direct current R = Alternate current \*please note alternate current coils have to be supplied with rectified current. Vis is suppling proper CCN connector to be used with different alternate current input voltages

## **CCROA COILS SERIES**

20,5W - Continuous duty - ED100% Robust design with outer metal cage



Ø13,2

#### DESCRIPTION

External plated metal cage and shims to maximize electromagnetic output. Metal parts protected against oxidation according to RoHS directive. Bore size: Ø13.1 mm. Suitable for HEAVY DUTY operations.

39

#### PROSPECTIVE





Duty cycle vs ambient temperature & steady current vs

### PERFORMANCE DETAILS



#### **TECHNICAL DATA**

POWER	20.5W
VARIOUS VOLTAGE OPTIONS AVAILABLE	both AC and DC
COILS INSULATION CLASS	"H " (180°)
WIRE INSULATION CLASS	"H " (200°)
ED	100%
SUPPLY POWER TOLERANCE	±10% (DC); +10% -5% (AC)
SEVERAL CONNECTOR OPTIONS AVAILABLE	see page 611
AMBIENT TEMPERATURE RANGE	-40°C, 80° C (standard)
IP COIL WITH CONNECTOR	see page 611
WEIGHT	0,190 kg

#### **ORDERING CODE**



A = Ø 13,1 mm

## **TYPE OF CURRENT**

C = Direct current R = Alternate current \*please note alternate current coils have to be supplied with rectified current. Vis is suppling proper CCN connector to be used with different alternate current input voltages

#### \* \* VOLTAGE POWER I = 20.5W

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Model code	Type of connector
00	DIN43650
01	Flying Leads (200 mm)
05	AMP-Superseal
08	DEUTSCH (90°)
13	KOSTAL (24 x 1)
17	Dual spade

\* \*

\*

MARKING 0 = Standard factory marking (logo+voltage+power). Customized marking can be done upon request.

#### NOTE

Coil design is water proof and therefore doesn't require external sealings.