

# SACB- 6/3-L-SC-M8 - Distributor box



1503399

<https://www.phoenixcontact.com/us/products/1503399>

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Distributor box, application: Standard, connection method: M8 socket Metal, number of slots: 6, number of positions: 3, coding: A, slot assignment: single, status display: yes, PNP; master cable connection: Spring-cage connection 180°, shielding: no

## Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Convenient: increased machine availability thanks to quick and easy diagnostics
- Flexible: distributor box with connector hood for on-site assembly

## Commercial data

Item number	1503399
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF40
Product key	AF3BCC
GTIN	4017918966959
Weight per piece (including packing)	159.98 g
Weight per piece (excluding packing)	146.1 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Notes

Assembly note	<b>NOTE:</b> Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.
Note on application	Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories".

### Product properties

Product type	Distributor box
Application	Standard
Number of positions	3
Number of slots	6
Coding	A
LED	yes

### System properties

#### Local diagnostics

Monitored function	Supply voltage
Optical representation	Green LED

### Electrical properties

Max. operating voltage $U_{max}$	30 V DC
Local diagnostics	Supply voltage Green LED
	Status display I/O Yellow LED
Nominal voltage $U_N$	24 V DC
Rated current, total	6 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	2 A

### Connection data

#### Conductor connection

Sensor/actuator connection system	M8 socket
Conductor cross-section Flexible signal line	0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
Conductor cross-section Flexible power supply	0.14 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Connection cross section AWG Flexible signal line	26 ... 20
Connection cross section AWG Flexible power supply	26 ... 18
Stripping length Signal line	11 mm
Stripping length Power supply	10 mm
Stripping length of the sheath	70 mm (Master cable)
Tightening torque, cover screw	1 Nm

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Tightening torque slot sensor/actuator cable	0.2 Nm
Tightening torque, union nut	2.5 Nm

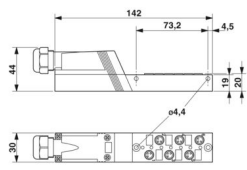
## Connection assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4
	2 / 4 (A) = 2 / 4
	3 / 4 (A) = 3 / 4
	4 / 4 (A) = 4 / 4
	5 / 4 (A) = 5 / 4
	6 / 4 (A) = 6 / 4
	1-6 / 1 (+ 24 V) = U <sub>N</sub>
	1-6 / 3 (0 V) = 0 V

## Signaling

Status display present	yes
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## Dimensions

Dimensional drawing	
Width	30 mm
Height	44 mm
Length	142 mm

## Material specifications

Material Threaded sleeve	Cu alloy
Material Housing	PBT
Material Molding compound	PUR
Flammability rating according to UL 94	V0
Seal material O-ring	NBR
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA
Material of contact, master cable side	CuZn
Material of the contact carrier on the master cable side	PA 6.6 V0
Material of contact surface, master cable side	NiSn

## Cable/line

External cable diameter	7 mm ... 11 mm
Connection method	Spring-cage connection

## Environmental and real-life conditions

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## Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-30 °C ... 80 °C

## Standards and regulations

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

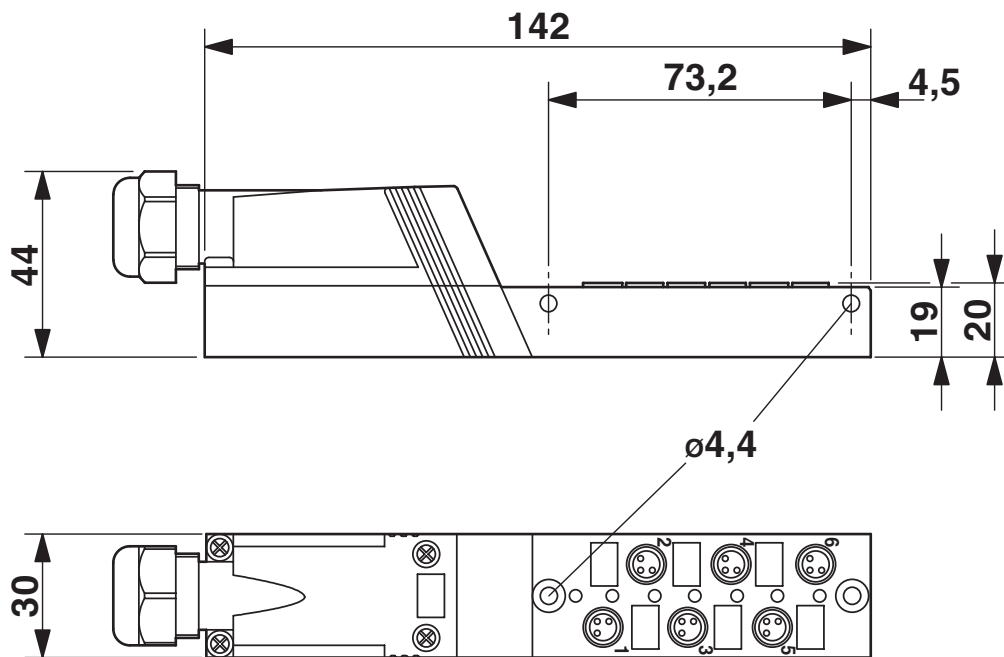
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1503399

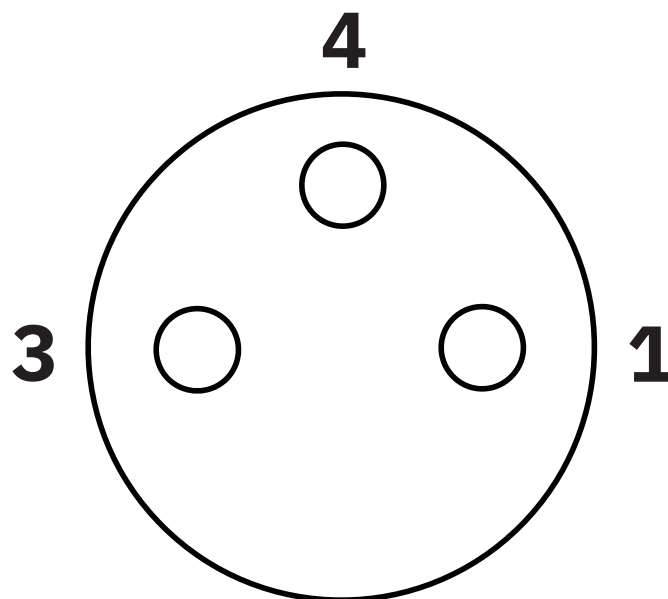
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## Drawings

Dimensional drawing



Schematic diagram



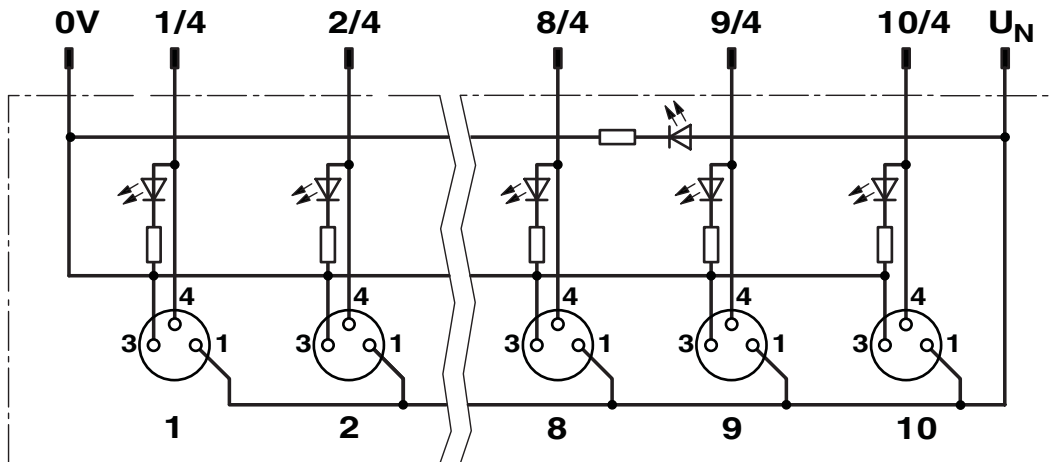
M8 slot, socket, 3-pos.

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Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0	27440111
ECLASS-15.0	27440111

### UNSPSC

UNSPSC 21.0	31251501
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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