

SACB-4Q/4P-L-SC - Distributor box



1662939

<https://www.phoenixcontact.com/pc/products/1662939>

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Distributor box, application: Standard, connection method: QUICKON, 0.34 mm² ... 0.75 mm², number of slots: 4, number of positions: 4, 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
- Innovative and time-saving assembly with insulation displacement connection
- Flexible: distributor box with connector hood for on-site assembly

Commercial data

Item number	1662939
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	02
Product key	BF3DBC
Catalog page	Page 267 (C-2-2019)
GTIN	4017918137489
Weight per piece (including packing)	199.1 g
Weight per piece (excluding packing)	166.1 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Notes

General	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
General	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	4
Number of slots	4
LED	yes

System properties

Local diagnostics

Monitored function	Supply voltage per module
Optical representation	Green LED

Electrical properties

Max. operating voltage U_{max}	30 V DC
Local diagnostics	Supply voltage per module Green LED
	Status display I/O Yellow LED
Nominal voltage U_N	24 V DC
Rated current, total	12 A
Max. current carrying capacity per path	4 A
Current carrying capacity per slot	4 A

Connection data

Conductor connection

Sensor/actuator connection system	QUICKON
Conductor cross section Flexible signal line	0.14 mm ² ... 1 mm ²
Conductor cross section Flexible power supply	0.2 mm ² ... 1.5 mm ²
Connection cross section AWG Flexible signal line	26 ... 17
Connection cross section AWG Flexible power supply	24 ... 16
Stripping length Signal line	10 mm
Stripping length of the sheath	70 mm (Master cable)
Tightening torque, union nut	2.5 Nm

Pin assignment

1 / 4 (A) = 1 / 4

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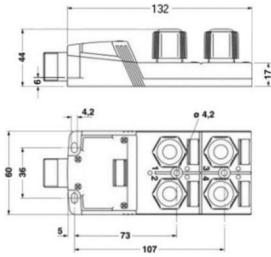
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Slot/position = Wire color or connection	2 / 4 (A) = 2 / 4
	3 / 4 (A) = 3 / 4
	4 / 4 (A) = 4 / 4
	1-4 / 1 (+ 24 V) = U_N
	1-4 / 3 (0 V) = 0 V
	1-4 / 5 (PE) = PE

Signaling

Status display present	Yes
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Dimensions

Dimensional drawing	
Width	60 mm
Height	44 mm
Length	132 mm
Wrench size, union nut	22 mm

Material specifications

Material Housing	PA
Material Molding compound	PUR
Flammability rating according to UL 94	V0
Contact material	Steel/copper
Contact surface material	Sn
Contact carrier material	PA 6.6
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

Conductor data

Wire insulation material	PVC / PE
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Cable/line

External cable diameter ()	6.5 mm ... 9.5 mm
Connection method	Spring-cage connection

Environmental and real-life conditions

Ambient conditions

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Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 60 °C
	-25 °C ... 50 °C (when the conductor is connected. Specifications of the cable manufacturer must also be observed.)

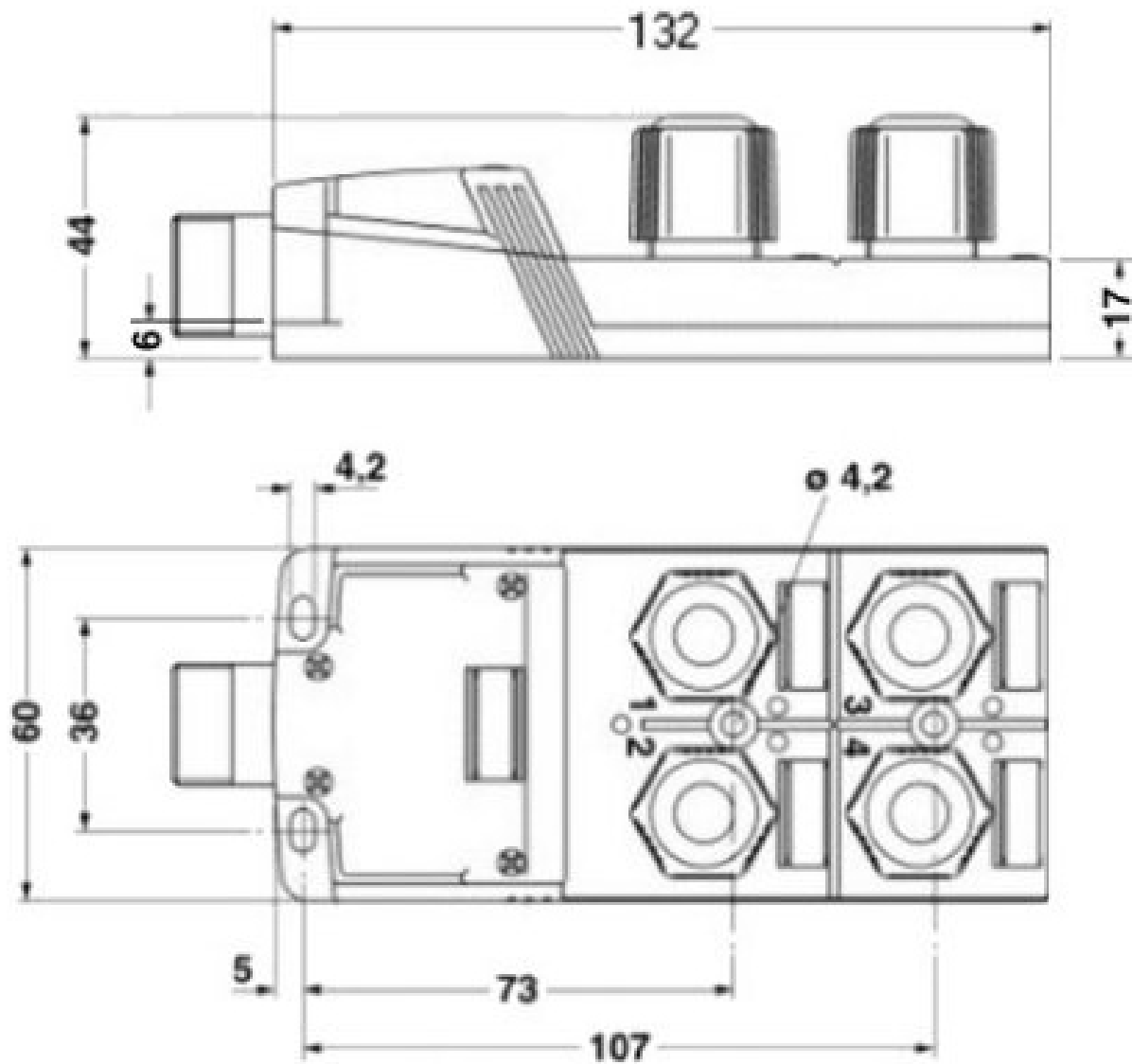
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Drawings

Dimensional drawing

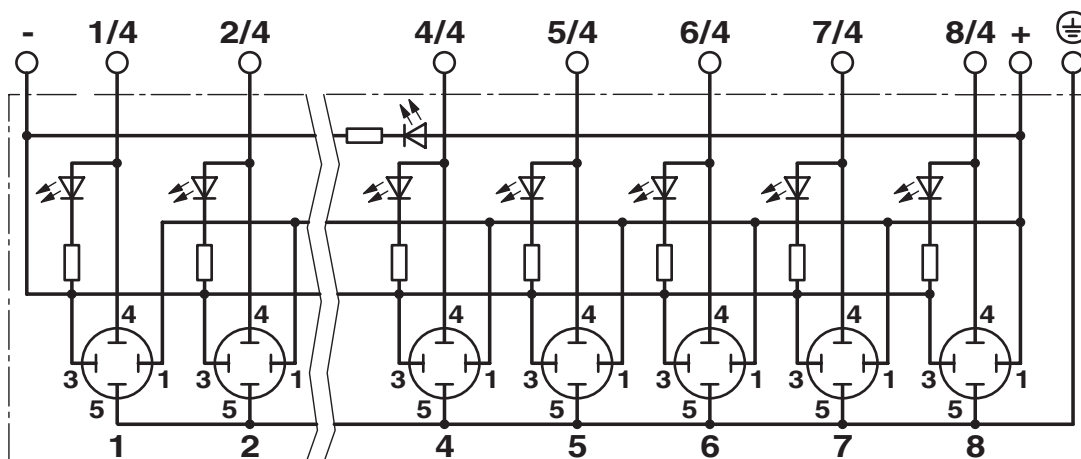


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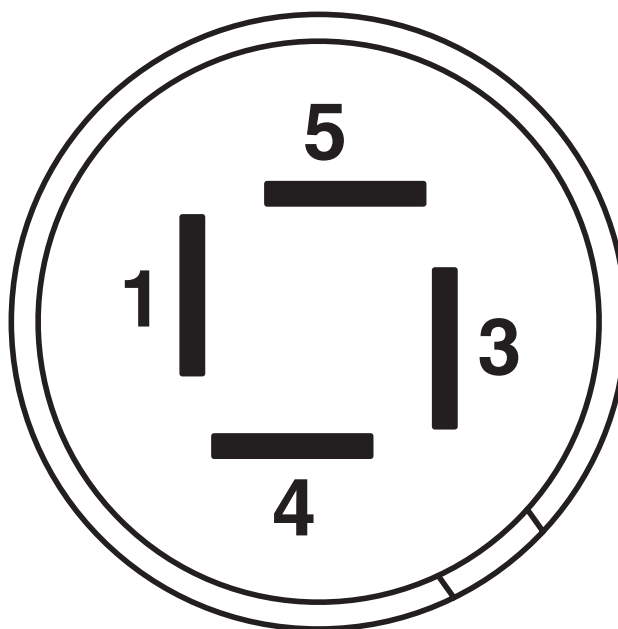
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Circuit diagram



Schematic diagram



QUICKON connection, 4-pos.

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Classifications

ECLASS

ECLASS-11.0	27440111
ECLASS-13.0	27440111

UNSPSC

UNSPSC 21.0	31251501
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Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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