

SACB-6Q/4P-L-SC - Distributor box



1662942

<https://www.phoenixcontact.com/us/products/1662942>

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Distributor box, application: Standard, connection method: QUICKON, 0.34 mm² ... 0.75 mm², number of slots: 6, 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	1662942
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF41
Product key	AF3DBC
GTIN	4017918137496
Weight per piece (including packing)	263 g
Weight per piece (excluding packing)	218.9 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Notes

Assembly note	NOTE: 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	4
Number of slots	6
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

Connection assignment

1 / 4 (A) = 1 / 4

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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
	5 / 4 (A) = 5 / 4
	6 / 4 (A) = 6 / 4
	1-6 / 1 (+ 24 V) = U _N
	1-6 / 3 (0 V) = 0 V
1-6 / 5 (PE) = PE	

Signaling

Status display present	yes
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Dimensions

Dimensional drawing	
Width	60 mm
Height	44 mm
Length	168 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
Wire insulation material	PVC / PE

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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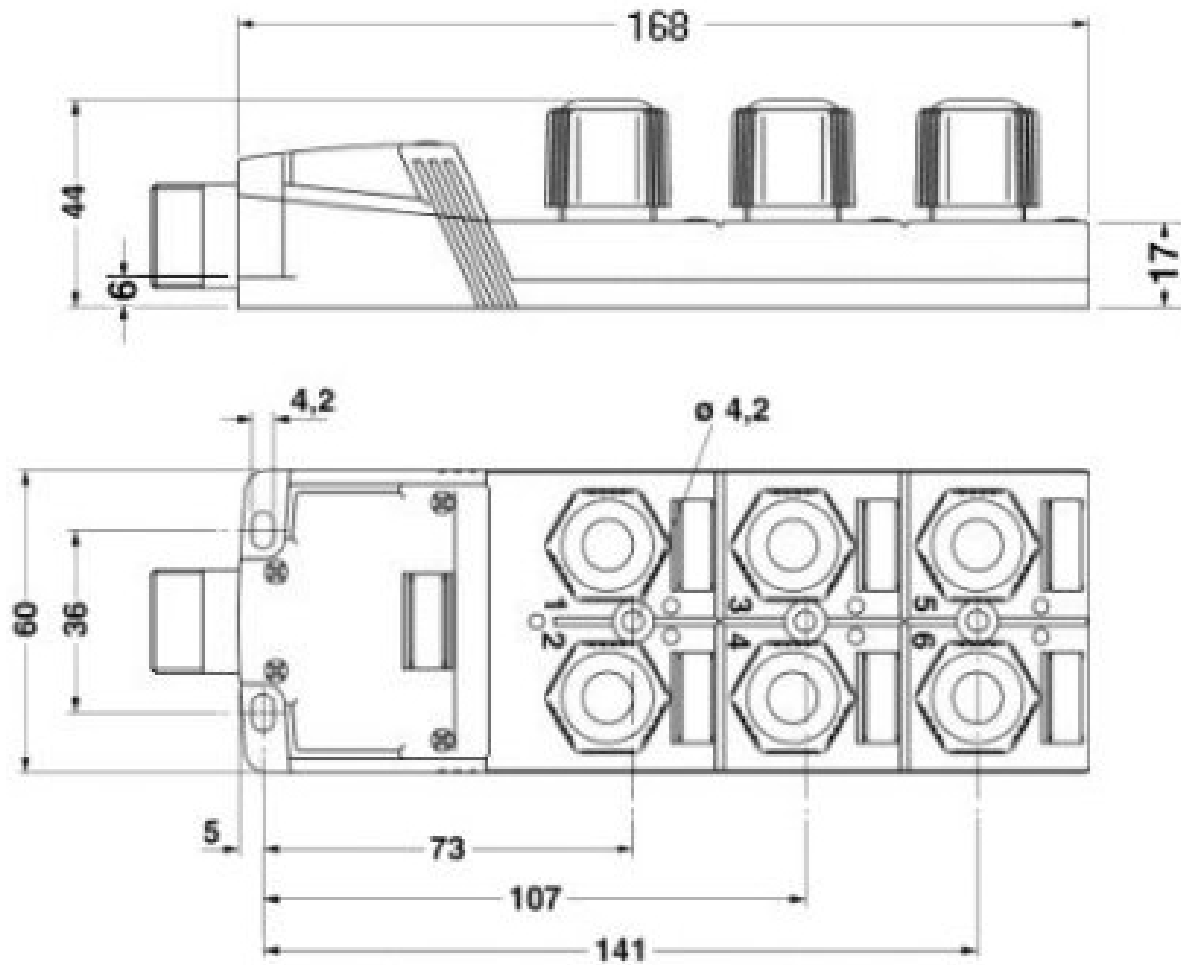


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Drawings

Dimensional drawing

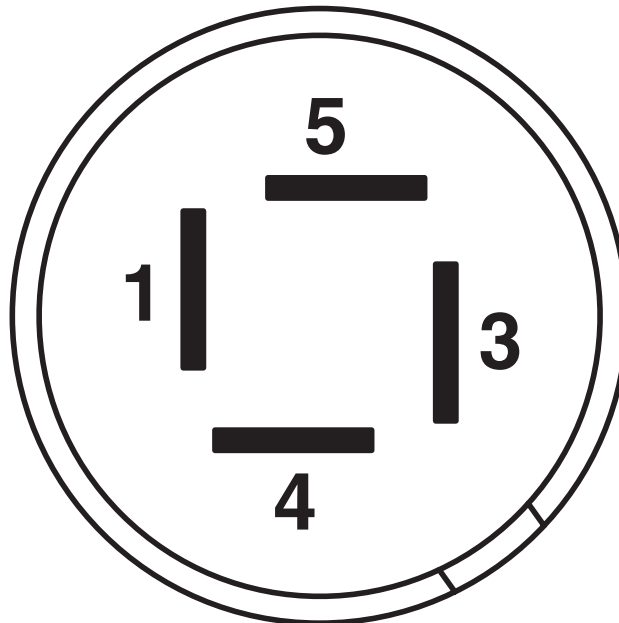


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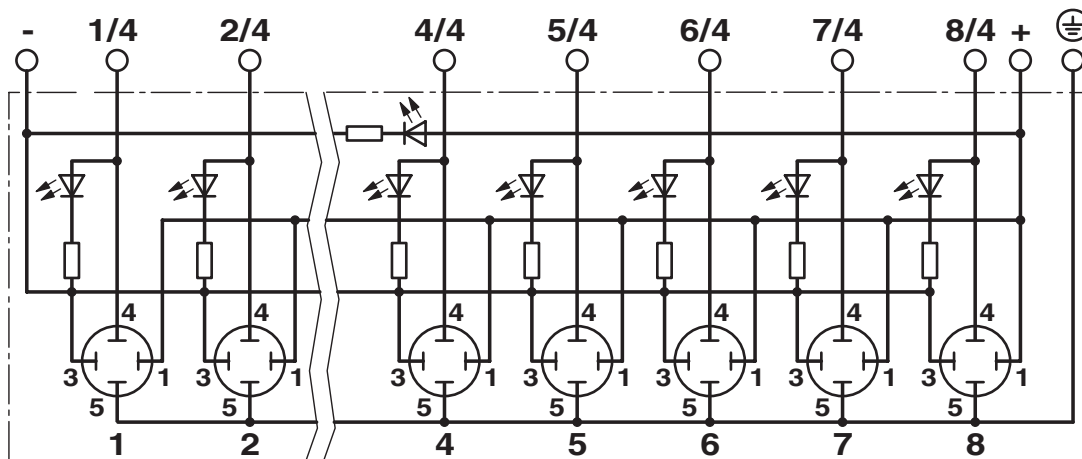
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Schematic diagram



QUICKON connection, 4-pos.

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	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.)	No substance above 0.1 wt%
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