

SACB- 4/4-L- 5,0PUR QO-0,34 - Distributor box



1548532

<https://www.phoenixcontact.com/us/products/1548532>

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Distributor box, application: Standard, connection method: QUICKON, 0.14 mm² ... 0.34 mm², number of slots: 4, number of positions: 4, slot assignment: Double, status display: yes, PNP; master cable connection: Fixed connection 180°, PUR/PVC, cable length: 5 m, 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
- Save space: distributor box with double occupancy for two sensors in one slot
- Innovative and time-saving assembly with insulation displacement connection

Commercial data

Item number	1548532
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF41
Product key	AF3DAA
GTIN	4046356142977
Weight per piece (including packing)	788.8 g
Weight per piece (excluding packing)	778.5 g
Customs tariff number	85444290
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	4
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	12 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	4 A

Connection data

Conductor connection

Sensor/actuator connection system	QUICKON
Tightening torque of mounting screw for fixing the housing	0.5 Nm

Connection assignment

Slot/position = Wire color or connection	1 / 4 (A) = WH
	1 / 2 (B) = GYPK
	2 / 4 (A) = GN
	2 / 2 (B) = RDBU
	3 / 4 (A) = YE
	3 / 2 (B) = WHGN
	4 / 4 (A) = GY

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	4 / 2 (B) = BNGN
	1-4 / 1 (+ 24 V) = BN
	1-4 / 3 (0 V) = BU

Signaling

Status display present	yes
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Dimensions

Dimensional drawing	
Width	58 mm
Height	45 mm
Length	116 mm
Wrench size, union nut	13 mm

Material specifications

Material Housing	PBT
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
Wire insulation material	PVC / PE / PP

Cable/line

Cable length	5 m
Cable weight	112 kg/km
Number of positions	10
Shielded	no
Conductor structure signal line	42x 0.10 mm
AWG signal line	22
Conductor structure, voltage supply	96x 0.10 mm
AWG power supply	18
Conductor cross-section	8x 0.34 mm ² (Signal line) 2x 0.75 mm ² (Power supply)
Wire diameter incl. insulation	1.5 mm (Signal line) 2 mm (Power supply)
External cable diameter	8.70 mm ±0.2 mm
Outer sheath, material	PUR

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External sheath, color	deep black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Overall twist	Wires twisted in layers
Nominal voltage, cable	≤ 500 V
Test voltage Core/Core	1500 V AC (Signal line)
	2000 V AC (Power supply)
Smallest bending radius, fixed installation	43.5 mm
Smallest bending radius, movable installation	87 mm
Dynamic load capacity (bending)	Max. bending cycles: 1500000, Bending radius: 87 mm, Traversing path: 2 m, Traversing rate: 2 m/s
Ambient temperature (operation)	-30 °C ... 70 °C (cable, fixed installation)
	-5 °C ... 70 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
	IP69K
Ambient temperature (operation)	-30 °C ... 80 °C
	-5 °C ... 50 °C (During assembly)

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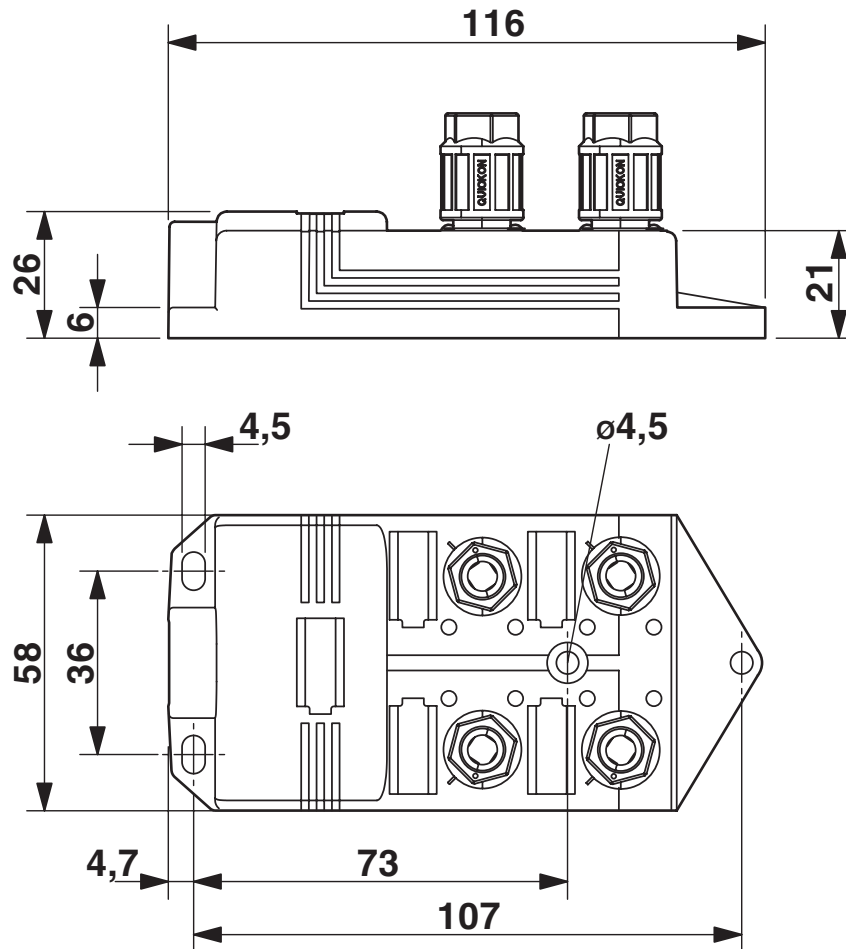


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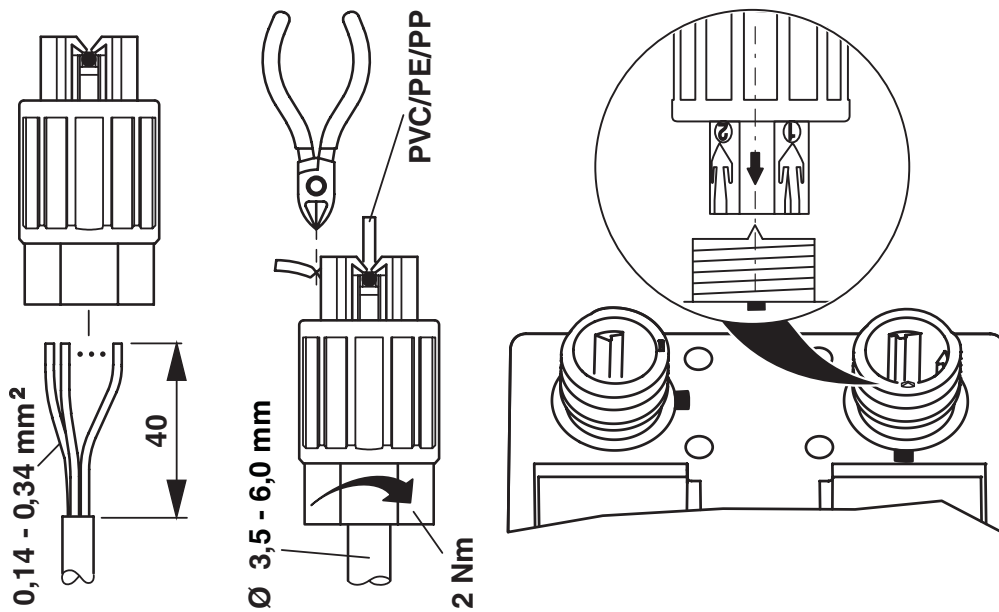
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Drawings

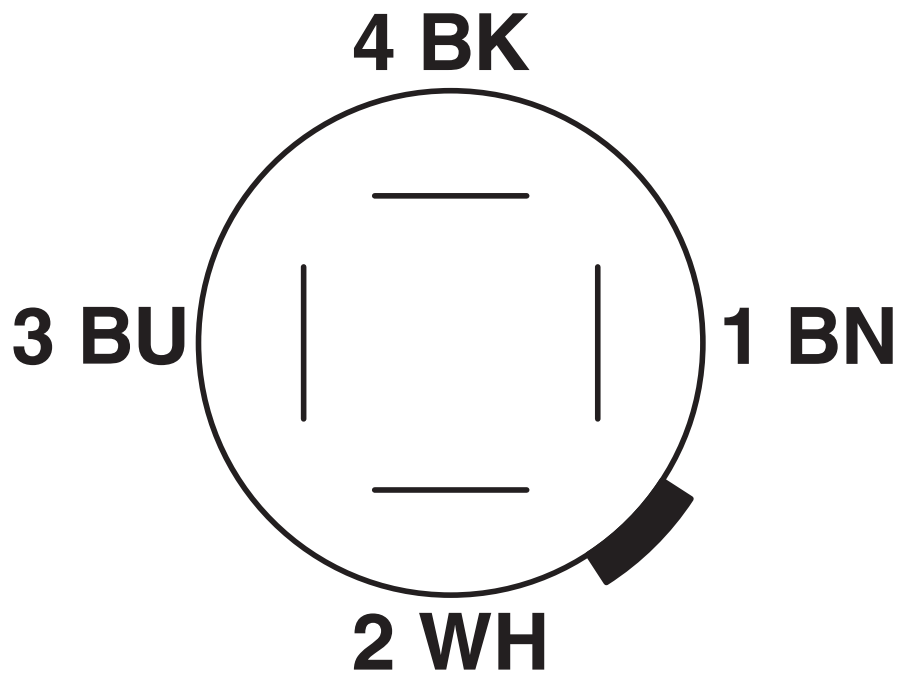
Dimensional drawing



Functional drawing



Schematic diagram



QUICKON connection, 4-pos.

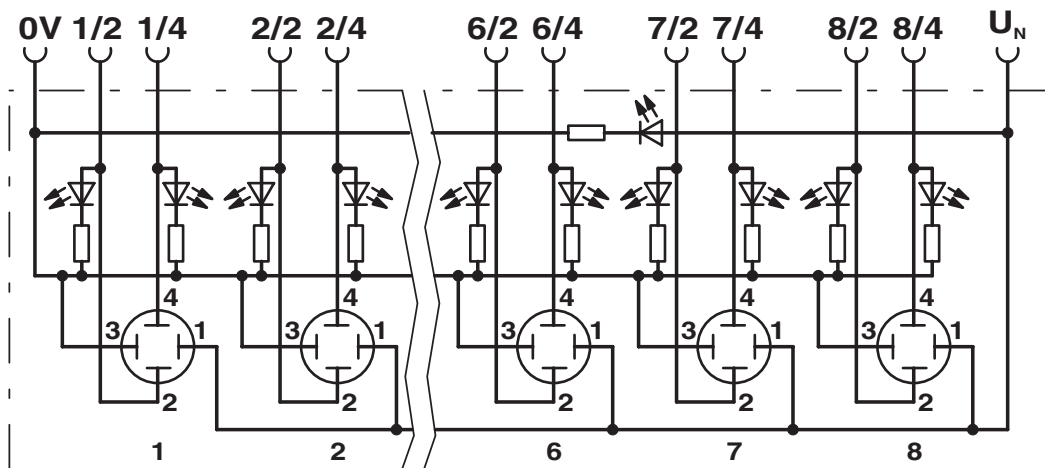
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Circuit diagram



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Classifications

ECLASS

ECLASS-13.0	27440111
ECLASS-15.0	27440108

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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