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Sensor/actuator box - SACB-4/ 8-PT QO - 1175445

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Sensor/actuator box, connection method: QUICKON, 0.14 mm² ... 0.75 mm², number of slots: 4, number of positions: 5, slot assignment: Double, status display: No, Universal; master cable connection: Push-in connection 180°, shielding: no, When connecting 5 conductors, max. 0.5 mm² can be connected

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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	[barcode] 4 063151 204761
GTIN	4063151204761

Technical data

General

Rated voltage	48 V AC
	60 V DC
Current carrying capacity per I/O signal	2 A
Current carrying capacity per slot	4 A
Total rated current	10 A
Number of positions	5
Number of slots	4
Flammability rating according to UL 94	V0
Sensor/actuator connection system	QUICKON
Note	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.

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Technical data

General

	Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories".

Ambient conditions

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

Master cable data/connection data

Connection method	Push-in connection
Conductor cross section min. (signal)	0.2 mm²
Conductor cross section max. (signal)	1.5 mm²
Conductor cross section AWG min. (signal)	24
Conductor cross section AWG max. (signal)	16
Stripping length (signal)	8 mm
Conductor cross section min. (energy)	0.2 mm²
Conductor cross section max. (energy)	1.5 mm²
Conductor cross section AWG min. (energy)	24
Conductor cross section AWG max. (energy)	16
External cable diameter min.	7 mm
External cable diameter max.	12 mm
Stripping length	50 mm (Master cable)
Tightening torque, cover screw	0.35 Nm
Tightening torque, union nut	2.5 Nm
Tightening torque of mounting screw for fixing the housing	0.5 Nm

Conductor data

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Wire insulation material	PVC / PE / PP / rubber
Wire diameter including insulation	0.75 mm ... 2 mm
Minimum external conductor diameter	3 mm
Maximum external conductor diameter	7 mm
Tightening torque, union nut	4 Nm
Wrench size, union nut	16 mm
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	0.75 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	18
Note	Cables with 5 conductors may have a max. connection cross-section of 0.5 mm²/AWG 20

Insulation material

Housing material	PBT
Material of the moulding mass	PUR
Contact material	Steel/copper

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Technical data

Insulation material

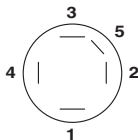| Contact surface material	Sn
Contact carrier material	PA 6.6
Material of contact, master cable side	CU alloy
Material of contact surface, master cable side	Sn
Material of the contact carrier on the master cable side	PA 6.6 V0
O-ring material	FKM
Sealing material	NBR (Master cable side)
	FKM (Conductor connection)

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4
	1 / 2 (B) = 1 / 2
	2 / 4 (A) = 2 / 4
	2 / 2 (B) = 2 / 2
	3 / 4 (A) = 3 / 4
	3 / 2 (B) = 3 / 2
	4 / 4 (A) = 4 / 4
	4 / 2 (B) = 4 / 2
	1-4 / 1 (+ 48 V) = U_N
	1-4 / 3 (0 V) = 0 V
	1-4 / 5 (PE) = PE

Environmental Product Compliance

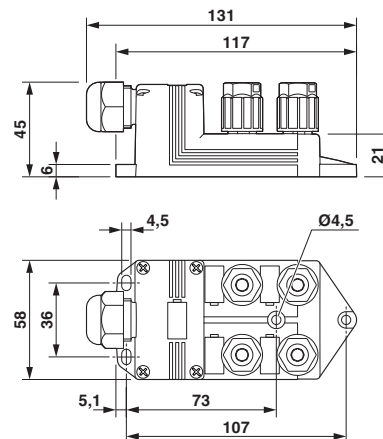| China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Schematic diagram

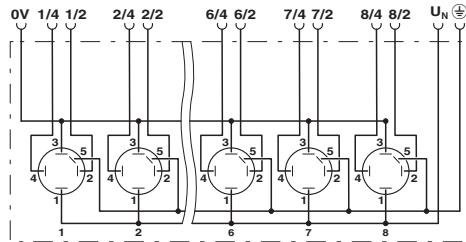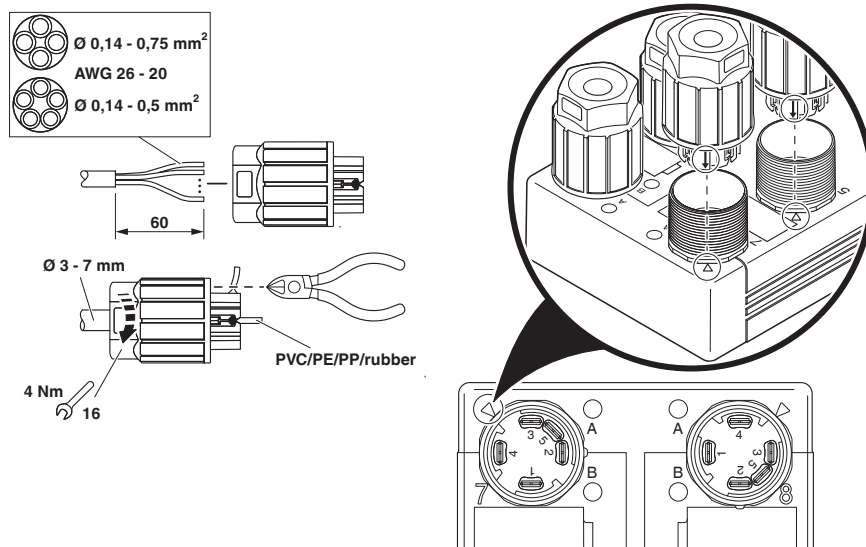QUICKON connection, 5-pos.

Dimensional drawing

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Circuit diagram

Functional drawing

Classifications

eCl@ss

eCl@ss 10.0.1	27440111
eCl@ss 11.0	27440111
eCl@ss 9.0	27440108

Accessories

Accessories

Cable by the meter

Master cable ring - SACB- 4X0,34/2X0,75-50 PUR - 1517576

Master cable for sensor/actuator boxes, without PE conductor, unshielded, material PUR/PVC, 6-pos., 4 x 0.34 mm²
and 2 x 0.75 mm², length: 50 m

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Accessories

Device marking

Snap-in markers - UC-EM (17,5X9) - 0827490

Snap-in markers, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID, BLUEMARK ID COLOR, BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

Snap-in markers - UCT-EM (17,5X9) - 0801491

Snap-in markers, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 24

Snap-in markers - UC-EM (17,5X9) YE - 0827494

Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

Snap-in markers - UCT-EM (17,5X9) YE - 0801492

Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 24

Installation pressure nut

Screw connection set - SACB-QO SET - 1293751

QUICKON set for replacement purposes, consisting of splice ring, pressure nut and line seal

Labeled device marker

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Accessories

Snap-in markers - UC-EM (17,5X9) CUS - 0828238

Snap-in markers, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

Snap-in markers - UCT-EM (17,5X9) CUS - 0801575

UniCard sheet, for labeling devices from other manufacturers, for overview table see download area, labeled according to customer specifications

Snap-in markers - UC-EM (17,5X9) YE CUS - 0828239

Snap-in markers, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

Snap-in markers - UCT-EM (17,5X9) YE CUS - 0801576

UniCard sheet, for labeling devices from other manufacturers, for overview table see download area, labeled according to customer specifications

Mounting rail adapter

DIN rail adapter - UTA 107 - 2853983

Universal DIN rail adapter, for screwing on switchgear

Screwdriver tools

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Accessories

Philips screwdriver - SZK PZ1 VDE - 1206450

Screwdriver, PZ crosshead, VDE insulated, size: PZ 1 x 80 mm, 2-component grip, with non-slip grip

Tool - SAC BIT HOOD-W 24 - 1212486

Nut for assembling pressure nuts with 24 mm wrench size, for 4 mm hexagonal drive

Screw insert - SF-BIT-PZ 1-50 - 1212591

Screw bit, PZ crosshead, E6.3-1/4" drive, size: PZ 1 x 50 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

Sealing plugs

Filler plugs - Q-PROT 9/11 - 1670235

Closing cap for Pg9/Pg11 to close unoccupied connections

Torque tool

Torque screwdriver - TSD 25 SAC - 1212315

Torque screwdriver, with preset torque of 2.5 Nm and 4 mm hexagonal drive for the pressure nut of the connector hood

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