

## Sensor/actuator box - SACB- 8/3-L- 5,0PUR QO-0,34 - 1548480

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Sensor/actuator box, Application: Standard, Connection method: QUICKON, 0.14 mm<sup>2</sup> ... 0.34 mm<sup>2</sup>, Number of slots: 8, Number of positions: 3, Slot assignment: Single, Status indication: Yes, pnp; Master cable connection: Fixed connection 180°, PUR/PVC, Cable length: 5 m, Shielding: No

### Why buy this product

- Safety in the field, thanks to molded housing and high degree of protection
- Flexible, distributed bundling of signals in one master cable
- Convenient: increased machine availability thanks to quick and easy diagnostics
- Innovative and time-saving assembly with insulation displacement connection



### Key commercial data

Packing unit	1 pc
GTIN	 4 046356 142953
Weight per Piece (excluding packing)	822.19 g
Custom tariff number	85444290
Country of origin	Poland
Note	Made to Order (non-returnable)

### Technical data

#### General

Rated voltage	24 V DC
Max. operating voltage U <sub>max</sub>	30 V DC
Current carrying capacity per I/O signal	2 A
Current carrying capacity per slot	4 A
Total rated current	12 A
Number of positions	3
Number of slots	8
Inflammability class according to UL 94	V0
Sensor/actuator connection system	QUICKON

#### Ambient conditions

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### Technical data

#### Ambient conditions

Degree of protection	IP65
	IP67
	IP69K
Ambient temperature (operation)	-30 °C ... 80 °C
	-40 °C ... 90 °C (for fixed installation)
	-5 °C ... 80 °C (for flexible installation)

#### Local diagnostics function

Local diagnostics	Supply voltage Green LED
	Status display I/O Yellow LED

#### Master cable connection data

Connection method	Fixed connection
Length of cable	5 m
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
Wire diameter including insulation	0.7 mm ... 1.3 mm
Minimum external conductor diameter	3.5 mm
Maximum external conductor diameter	6 mm
Tightening torque, union nut	2 Nm
Wrench size, union nut	13 mm
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	0.34 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max.	22

#### Insulation material

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

#### Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = WH
	2 / 4 (A) = GN
	3 / 4 (A) = YE
	4 / 4 (A) = GY
	5 / 4 (A) = PK
	6 / 4 (A) = RD
	7 / 4 (A) = BK

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### Technical data

#### Pin assignment

	8 / 4 (A) = VT
	1-8 / 1 (+ 24 V) = BN
	1-8 / 3 (0 V) = BU

#### Cable

Cable type	PUR/PVC black
Cable type (abbreviation)	PUR
Cable abbreviation	LiYY11Y-HF
UL AWM style	20549
Conductor cross section	8x 0.34 mm <sup>2</sup> (signal line)
	2x 0.75 mm <sup>2</sup> (power line)
AWG signal line	22
AWG power supply	18
Conductor structure signal line	19x 0.15 mm
Conductor structure, voltage supply	42x 0.15 mm
Core diameter including insulation	1.3 mm ±0.1 mm (signal line)
	1.8 mm ±0.1 mm (power line)
Thickness, insulation	≥ 0.15 mm (Inner sheath)
	≥ 0.38 mm (Outer cable sheath)
Overall twist	Wires twisted in layers
External sheath, color	Black RAL 9005
External cable diameter D	7.9 mm ±0.2 mm
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	10 x D
Number of bending cycles	1500000
Bending radius	79 mm
Traversing path	2 m
Traversing rate	2 m/s
Cable weight	92 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Nominal voltage, cable	300 V
Test voltage, cable	2000 V
Special properties	Silicone-free
Flame resistance	DIN EN 50265
Resistance to oil	As per VDE 0472 Part 803
Other resistance	Highly resistant to acids, alkaline solutions and solvents
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)

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## Technical data

### Cable

	-5 °C ... 80 °C (cable, flexible installation)
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## Classifications

### eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27279219

### ETIM

ETIM 3.0	EC001856
ETIM 4.0	EC002585
ETIM 5.0	EC002585

### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

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## Approvals

UL Recognized	
Nominal voltage UN	24 V

cUL Recognized	
Nominal voltage UN	24 V

EAC
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cULus Recognized	
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## Accessories

### Accessories

#### Device marking

Contact marker – zack marker strip - SS-ZB 17,5 WH - 0804963



Contact marker – zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 9 mm

Contact marker – zack marker strip - SS-ZB 17,5 YE - 0804976



Contact marker – zack marker strip, Strip, yellow, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 9 mm

#### Labeled device marker

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### Accessories

Contactor marker – zack marker strip - SS-ZB 17,5 WH CUS - 0824468



Contactor marker – zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 9 mm

Contactor marker – zack marker strip - SS-ZB 17,5 YE CUS - 0824469



Contactor marker – zack marker strip, can be ordered: Strip, yellow, labeled according to customer specifications, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 9 mm

### Mounting rail adapter

Electronic housing - UTA 136 - 2853996

Universal DIN rail adapter, for screwing on switchgear



### Pressure nut

Connector - QO-SET - 1548626



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

### Protective cap

Filler plugs - Q-PROT 9/11 - 1670235



Closing cap for Pg9/Pg11 to close unoccupied connections

### Screwdriver tools

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## Accessories

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Tool - SAC BIT QUICKON-W13 - 1212033



Nut for assembling QUICKON pressure nuts with 13 mm wrench size, for 4 mm hexagonal drive

## Torque tool

Torque screwdriver - TSD 20 SAC - 1212020



Torque screwdriver, with preset torque of 2.0 Nm and 4 mm hexagonal drive for the pressure nut of the fast connection

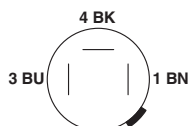
Torque screwdriver - TSD-M 3NM - 1212225



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 1.2 - 3 Nm

## Drawings

Schematic diagram



QUICKON connection, 4-pos.

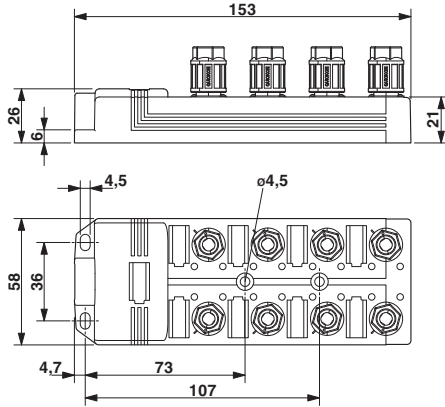
Cable cross section



PUR/PVC black [PUR]

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Dimensioned drawing



Circuit diagram

