Sensor/actuator box - SACB- 6/4-L-10,0PUR QO-0,34 - 1548561

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The illustration shows a product version with 8 slots

Sensor/actuator box, Connection method: QUICKON, 0.14 mm² ... 0.34 mm², Number of slots: 6, Number of positions: 4, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Fixed connection 180°, PUR/PVC, Cable length: 10 m, Shielding: No

Product Features

- 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
- Save space: distributor box with double occupancy for two sensors in one slot
- Innovative and time-saving assembly with insulation displacement connection

Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	1622.1 GRM
Custom tariff number	85444290
Country of origin	Germany

Technical data

General

Rated voltage	24 V DC
Max. operating voltage U_{max}	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	4
Number of slots	6
Inflammability class according to UL 94	V0

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Technical data

General

Sensor/actuator connection system	QUICKON

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	10 m

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 mm²
Conductor cross section stranded max.	0.34 mm²
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
	1 / 2 (B) = GY/PK
	2 / 4 (A) = GN

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Pin assignment

	2 / 2 (B) = RD/BU
	3 / 4 (A) = YE
	3 / 2 (B) = WH/GN
	4 / 4 (A) = GY
	4 / 2 (B) = BN/GN
	5 / 4 (A) = PK
	5 / 2 (B) = WH/YE
	6 / 4 (A) = RD
	6 / 2 (B) = YE/BN
	1-6 / 1 (+ 24 V) = BN
	1-6 / 3 (0 V) = BU

Cable

Cable type	PUR/PVC black
Cable abbreviation	LiYY11Y-HF
Conductor cross section	12x 0.34 mm² (signal line)
	2x 0.75 mm² (Power supply)
AWG signal line	22
AWG power supply	18
Conductor structure signal line	42x 0.10 mm
Conductor structure, voltage supply	96x 0.10 mm
Core diameter including insulation	1.5 mm (signal line)
	2 mm (Power supply)
Overall twist	Wires twisted in layers
External sheath, color	deep black RAL 9005
External cable diameter D	9.4 mm ± 0.2 mm
Smallest bending radius, fixed installation	47 mm
Smallest bending radius, movable installation	94 mm
Number of bending cycles	1500000
Bending radius	94 mm
Traversing path	2 m
Traversing rate	2 m/s
Cable weight	141 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Nominal voltage, cable	≤ 500 V

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Cable

Test voltage Core/Core	1500 V AC (signal line)
	2000 V AC (Power supply)
Ambient temperature (operation)	-30 °C ... 70 °C (cable, fixed installation)
	-5 °C ... 70 °C (cable, flexible installation)

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	27449001

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

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

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Approvals

Approvals submitted

Approval details

UL Recognized

Nominal voltage UN	24 V

cUL Recognized

Nominal voltage UN	24 V

GOST

cULus Recognized

Accessories

Accessories

Device marking

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



Contactor marker – zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

Pressure nut

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Accessories

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

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

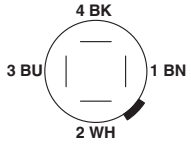


Torque screwdriver, with preset torque of 2.0 Nm and 4 mm hexagonal drive for the pressure nut of the fast connection

Drawings

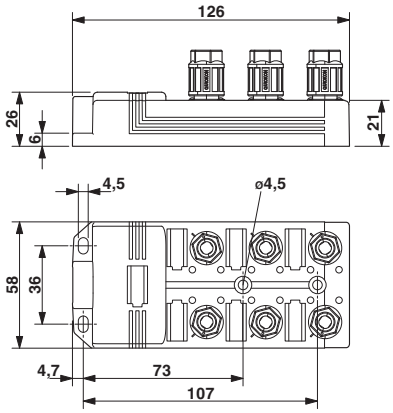
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Schematic diagram

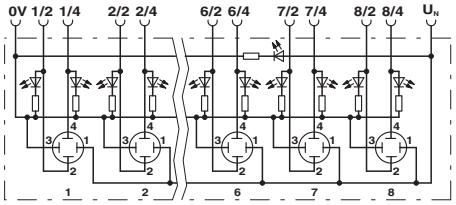


QUICKON connection, 4-pos.

Dimensioned drawing



Circuit diagram



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