PHŒNIX CONTACT

Sensor/actuator box - SACB- 8/4-L-10,0PUR QO-0,34 - 1548587

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

Sensor/actuator box, Application: Standard, Connection method: QUICKON, 0.14 mm² ... 0.34 mm², Number of slots: 8, 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

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

☑ 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 pc
GTIN	4 046356 143028
Weight per Piece (excluding packing)	1777.0 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_{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	8
Inflammability class according to UL 94	V0
Sensor/actuator connection system	QUICKON

Sensor/actuator box - SACB- 8/4-L-10,0PUR QO-0,34 - 1548587

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	10 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 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
	2 / 2 (B) = RD/BU
	3 / 4 (A) = YE
	3 / 2 (B) = WH/GN
	4 / 4 (A) = GY

PHŒNIX CONTACT

Sensor/actuator box - SACB- 8/4-L-10,0PUR QO-0,34 - 1548587

Technical data

Pin assignment

	4 / 2 (B) = BN/GN
	5 / 4 (A) = PK
	5 / 2 (B) = WH/YE
	6 / 4 (A) = RD
	6 / 2 (B) = YE/BN
	7 / 4 (A) = BK
	7 / 2 (B) = WH/GY
	8 / 4 (A) = VT
	8 / 2 (B) = GY/BN
	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
Conductor cross section	16x 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
Overall twist	Wires twisted in layers
External sheath, color	deep black RAL 9005
External cable diameter D	10.1 mm ±0.2 mm
Number of bending cycles	1500000
Bending radius	110 mm
Traversing path	2 m
Traversing rate	2 m/s
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Nominal voltage, cable	300 V (signal line)
	500 V (Power supply)
Test voltage, cable	1200 V (signal line)
	2000 V (Power supply)
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

Sensor/actuator box - SACB- 8/4-L-10,0PUR QO-0,34 - 1548587

Technical data

Cable

Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 80 °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	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

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Sensor/actuator box - SACB- 8/4-L-10,0PUR QO-0,34 - 1548587

Approvals

UL Recognized

Nominal voltage UN	24 V

cUL Recognized

Nominal voltage UN	24 V

EAC

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 9 mm

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

Contactor 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

Sensor/actuator box - SACB- 8/4-L-10,0PUR QO-0,34 - 1548587

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

Sensor/actuator box - SACB- 8/4-L-10,0PUR QO-0,34 - 1548587

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
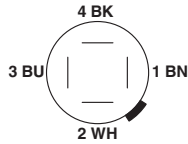

Torque screwdriver - TSD-M 3NM - 1212225

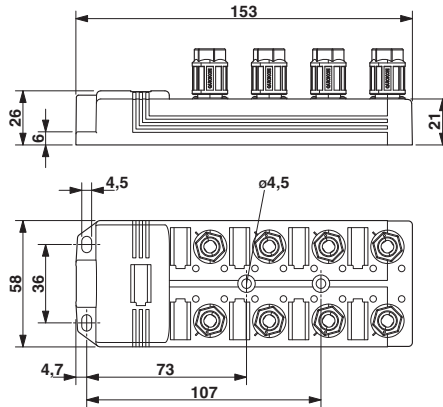Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 1.2 - 3 Nm

---

Drawings

PHŒNIX CONTACT

Sensor/actuator box - SACB- 8/4-L-10,0PUR QO-0,34 - 1548587

Schematic diagram

QUICKON connection, 4-pos.

Dimensioned drawing

Circuit diagram

---

http://www.phoenixcontact.com