

Sensor/actuator box - SACB-4/ 8-C SCO SELECT - 1437258

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://download.phoenixcontact.com>)



Sensor/actuator box, Connection method: M12-SPEEDCON-socket Metal, Number of slots: 4, Number of positions: 5, Slot assignment: Parallel, Status indication: No, Universal; Master cable connection: Pluggable screw connection 180°, Shielding: No

Key commercial data

Packing unit	0
Minimum order quantity	1
GTIN	 4 046356 455602
Custom tariff number	85366990
Country of origin	POLAND

Technical data

General data

Rated voltage	48 V
Rated voltage	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
Degree of protection	IP65/IP67/IP69K
Inflammability class according to UL 94	V0
Ambient temperature (operation)	-30 °C ... 80 °C
Ambient temperature (storage/transport)	-30 °C ... 90 °C
Sensor/actuator connection system	M12-SPEEDCON-socket

Master cable data

Connection method	Pluggable screw connection
Conductor cross section min. (signal)	0.14 mm²
Conductor cross section max. (signal)	1.5 mm²
Conductor cross section AWG min. (signal)	26
Conductor cross section AWG max. (signal)	16
Stripping length (signal)	7 mm

Sensor/actuator box - SACB-4/ 8-C SCO SELECT - 1437258

Technical data

Master cable data

Conductor cross section min. (energy)	0.14 mm ²
Conductor cross section max. (energy)	1.5 mm ²
Conductor cross section AWG min. (energy)	26
Conductor cross section AWG max. (energy)	16
External cable diameter min.	7 mm
External cable diameter max.	12 mm
Tightening torque, cover screw	0.35 Nm
Tightening torque, union nut	2.5 Nm
Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque screw plug	0.4 Nm

Insulation material

Housing material	PBT
Material of the moulding mass	PUR
Contact material	Cu alloy
Contact surface material	Gold-plated
Contact carrier material	PA
Material of contact, master cable side	CU alloy
Material of contact surface, master cable side	Gold-plated
Material of the contact carrier on the master cable side	PA 66 V0
Material of threaded sleeve	Zinc die-cast
Material of threaded sleeve surface	Nickel-plated
Material, O-ring	NBR

Classifications

eclass

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

etim

ETIM 3.0	EC001856
ETIM 4.0	EC002585

unspsc

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

Sensor/actuator box - SACB-4/ 8-C SCO SELECT - 1437258

Classifications

unspsc

UNSPSC 13.2	31261501
-------------	----------

Accessories

Accessories

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 8 mm

Protection and sealing elements

Screw plug - PROT-MS SCO - 1553129



M12 screw plug with SPEEDCON quick locking for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors

Tools

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Tool - SAC BIT M12-D15 - 1208432



Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Sensor/actuator box - SACB-4/ 8-C SCO SELECT - 1437258

Accessories

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Philips screwdriver - SZK PZ1 VDE - 1206450



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

Stripping tool - WIREFOX 4 - 1212156



Stripping tool, for cables and conductors (especially for rubber and silicone insulations) from 0.1 - 4 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade

Contactor marker – zack marker strip - SS-ZB WH CUS - 0824470

Contactor marker – zack marker strip, Strip, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, Lettering field: 20 mm x 8 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 8 mm

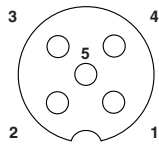
Contactor marker – zack marker strip - SS-ZB YE CUS - 0824471

Contactor marker – zack marker strip, Strip, yellow, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, Lettering field: 20 mm x 8 mm

Drawings

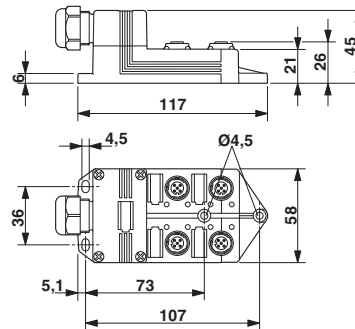
Sensor/actuator box - SACB-4/ 8-C SCO SELECT - 1437258

Schematic diagram



Connector pin assignment for M12 socket, 5-pos.

Dimensioned drawing



Circuit diagram

