

Sensor/actuator box - SACB-8/16-L-C SCO OTB - 1437232

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: 8, Number of positions: 5, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Pluggable spring-cage connection 270°, Shielding: No

The figure shows the top and bottom side of the article

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
- ✓ Save time, thanks to installation with SPEEDCON rapid interlock system
- ✓ Easy PLC system cabling, thanks to master connection on the back



Key commercial data

package_quantity	1
GTIN	4046356455626

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	8 A
Number of positions	5
Number of slots	8
Sensor/actuator connection system	M12-SPEEDCON-socket

Ambient conditions

Degree of protection	IP54 (With sealed mounting holes)
Ambient temperature (operation)	-30 °C ... 80 °C
Ambient temperature (storage/transport)	-30 °C ... 90 °C

Local diagnostics function

Sensor/actuator box - SACB-8/16-L-C SCO OTB - 1437232

Technical data

Local diagnostics function

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

Master cable data/connection data

Connection method	Pluggable spring-cage connection
Conductor cross section min. (signal)	0.14 mm ²
Conductor cross section max. (signal)	1.5 mm ²
Conductor cross section AWG min. (signal)	26
Conductor cross section AWG max. (signal)	16
Stripping length (signal)	9 mm
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
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	tin-plated
Material of the contact carrier on the master cable side	PA
Material of threaded sleeve	Zinc die-cast
Material of threaded sleeve surface	Nickel-plated
Material, O-ring	NBR
Sealing material	CR (flat gasket on the back)

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4
Slot/position = Wire color or connection	1 / 2 (B) = 1 / 2
Slot/position = Wire color or connection	2 / 4 (A) = 2 / 4
Slot/position = Wire color or connection	2 / 2 (B) = 2 / 2
Slot/position = Wire color or connection	3 / 4 (A) = 3 / 4
Slot/position = Wire color or connection	3 / 2 (B) = 3 / 2
Slot/position = Wire color or connection	4 / 4 (A) = 4 / 4
Slot/position = Wire color or connection	4 / 2 (B) = 4 / 2
Slot/position = Wire color or connection	5 / 4 (A) = 5 / 4
Slot/position = Wire color or connection	5 / 2 (B) = 5 / 2
Slot/position = Wire color or connection	6 / 4 (A) = 6 / 4

Sensor/actuator box - SACB-8/16-L-C SCO OTB - 1437232

Technical data

Pin assignment

Slot/position = Wire color or connection	6 / 2 (B) = 6 / 2
Slot/position = Wire color or connection	7 / 4 (A) = 7 / 4
Slot/position = Wire color or connection	7 / 2 (B) = 7 / 2
Slot/position = Wire color or connection	8 / 4 (A) = 8 / 4
Slot/position = Wire color or connection	8 / 2 (B) = 8 / 2
Slot/position = Wire color or connection	1-8 / 1 (+ 24 V) = U _N
Slot/position = Wire color or connection	1-8 / 3 (0 V) = 0 V
Slot/position = Wire color or connection	1-8 / 5 (PE) = PE

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

GOST /

Approval details

GOST 
--

Sensor/actuator box - SACB-8/16-L-C SCO OTB - 1437232

accessories

Protective cap

PROT-MS SCO - 1553129



Device marking

SS-ZB 17,5 WH - 0804963



SS-ZB 17,5 YE - 0804976



Labeled device marker

SS-ZB 17,5 WH CUS - 0824468



SS-ZB 17,5 YE CUS - 0824469



Sensor/actuator box - SACB-8/16-L-C SCO OTB - 1437232

accessories

Torque tool

TSD 04 SAC - 1208429



TSD-M 1,2NM - 1212224



Screwdriver tools

SAC BIT M12-D15 - 1208432



SACC BIT M12-D20 - 1208445



TSD-M SAC-BIT ADAPTER - 1212600



Sensor/actuator box - SACB-8/16-L-C SCO OTB - 1437232

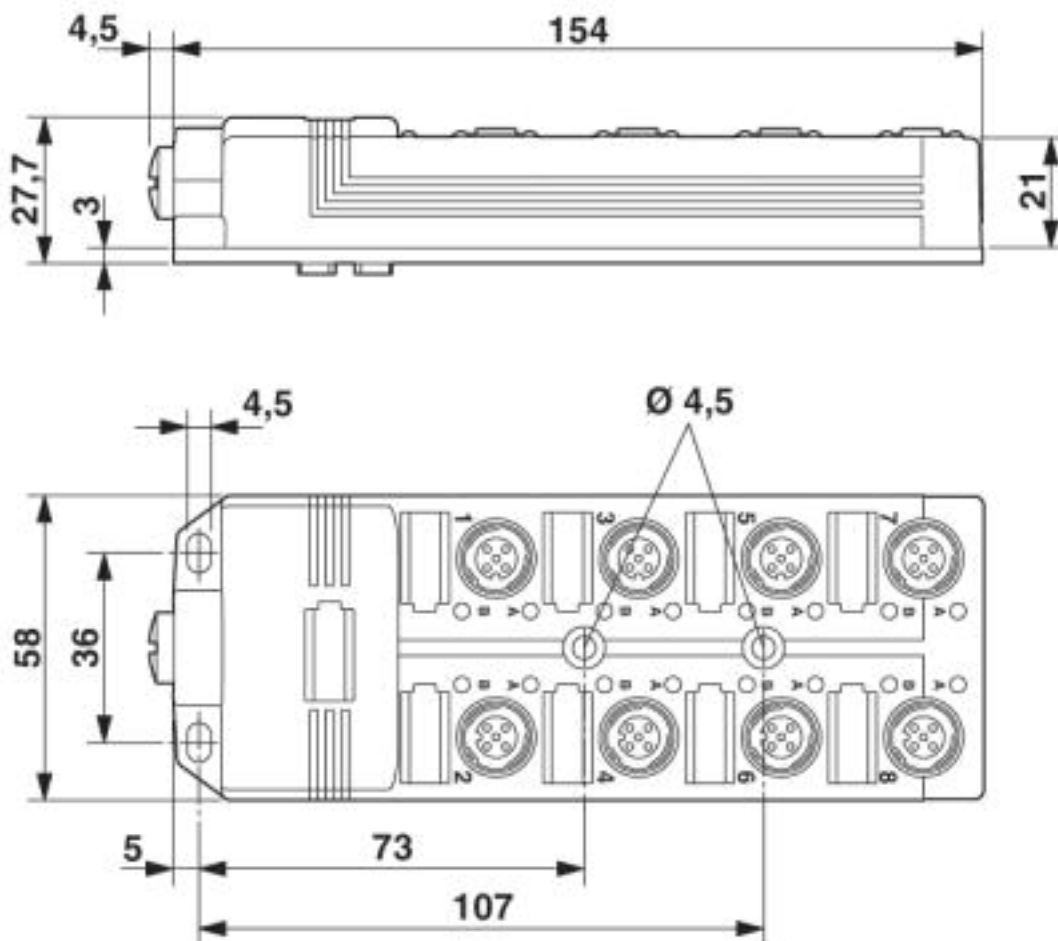
accessories

SZF 1-0,6X3,5 - 1204517



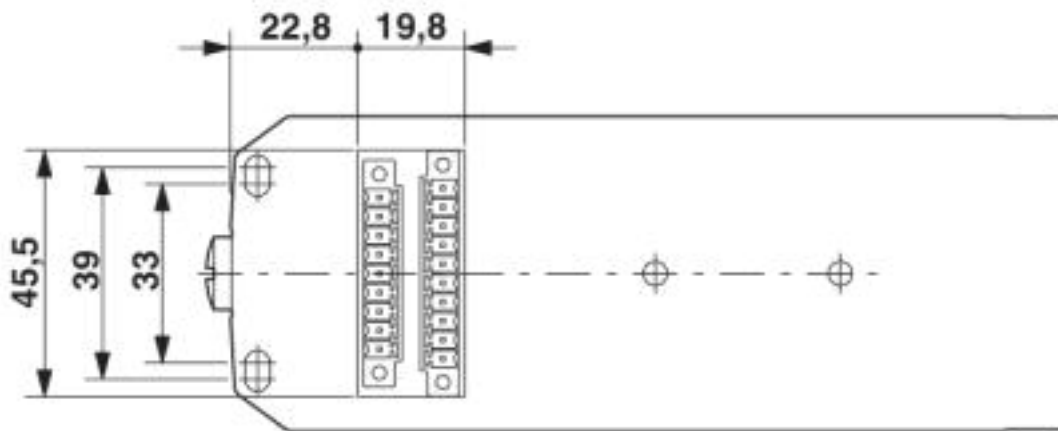
Drawings

Dimensioned drawing

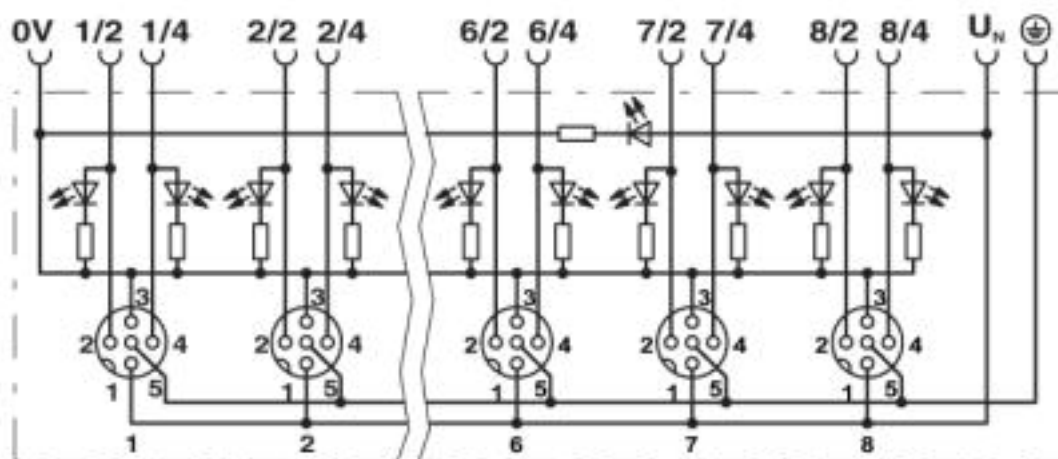


Sensor/actuator box - SACB-8/16-L-C SCO OTB - 1437232

Dimensioned drawing

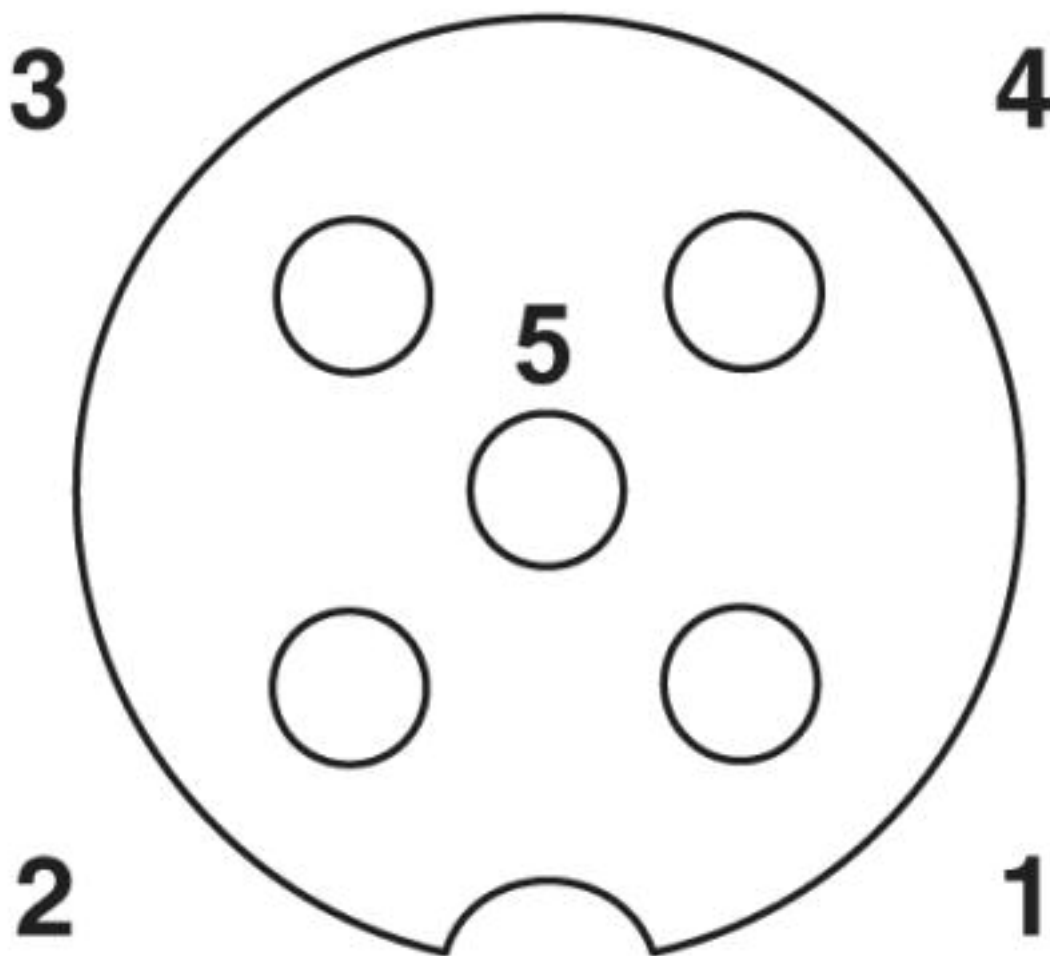


Circuit diagram



Sensor/actuator box - SACB-8/16-L-C SCO OTB - 1437232

Schematic diagram



Pin assignment M12 socket, 5-pos.

© Phoenix Contact 2013 - all rights reserved
<http://www.phoenixcontact.com>