

## Sensor/actuator box header - SACB-6/ 6-L-C GG SCO - 1516742

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Sensor/actuator box header, Connection method: M12-SPEEDCON-socket Metal, Number of slots: 6, Number of positions: 4, Slot assignment: Single, Status indication: Yes, pnp; Master cable connection: Pluggable screw connection, Shielding: No



### Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	251.3 GRM
Custom tariff number	85366990
Country of origin	Poland

### 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	10 A
	2x 8 A (For electrical isolation)
Number of positions	4
Number of slots	6
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M12-SPEEDCON-socket

#### Ambient conditions

Degree of protection	IP65
	IP67
	IP69K
Ambient temperature (operation)	-30 °C ... 80 °C

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### Technical data

#### Local diagnostics function

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

#### Master cable data/connection data

Connection method	Pluggable screw connection
Tightening torque slot sensor/actuator cable	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

#### Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4
	2 / 4 (A) = 2 / 4
	3 / 4 (A) = 3 / 4
	4 / 4 (A) = 4 / 4
	5 / 4 (A) = 5 / 4
	6 / 4 (A) = 6 / 4
	1-6 / 1 (+ 24 V) = U <sub>N</sub>
	1-6 / 3 (0 V) = 0 V
	1-6 / 5 (PE) = PE

### Classifications

#### eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423

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## Classifications

### eCl@ss

eCl@ss 7.0	27449001
eCl@ss 8.0	27449001

### ETIM

ETIM 2.0	EC000200
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

#### Approvals submitted

## Approval details

UL Recognized	
Nominal current I <sub>N</sub>	3 A
Nominal voltage U <sub>N</sub>	24 V

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### Approvals

cUL Recognized	
Nominal current IN	3 A
Nominal voltage UN	24 V

GOST	
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cULus Recognized	
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### Accessories

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#### 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 8 mm

#### Protective cap

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

#### Screwdriver tools

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### Accessories

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

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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

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Philips screwdriver - SZK PZ1 VDE - 1206450



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

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### Torque tool

Torque screwdriver - TSD 04 SAC - 1208429



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

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### Required add-on products

Connector hood - SACB-C-H180-6/ 6- 5,0PUR SCO - 1516551



Connector hood, For use in Sensor/actuator box, Connection method: M12-SPEEDCON-socket Metal, Number of slots: 6, Slot assignment: Single, Status indication: No; Master cable connection: Pluggable screw connection 180°, PUR/PVC, Cable length: 5 m, Shielding: No

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## Accessories

### Connector hood - SACB-C-H180-6/ 6-10,0PUR SCO - 1516564



Connector hood, For use in Sensor/actuator box, Connection method: M12-SPEEDCON-socket Metal, Number of slots: 6, Slot assignment: Single, Status indication: No; Master cable connection: Pluggable screw connection 180°, PUR/PVC, Cable length: 10 m, Shielding: No

### Connector hood - SACB-C-H180 6- 6 SCO PUR/ - 1516674



Connector hood, For use in Sensor/actuator box, Connection method: M12-SPEEDCON-socket Metal, Number of slots: 6, Slot assignment: Single, Status indication: No; Master cable connection: Pluggable screw connection 180°, PUR/PVC, Cable length: 0.5 m ... 50 m, Shielding: No

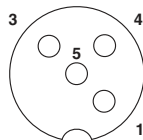
### Connector hood - SACB-C-H180 8/16 SCO - 1516713



Connector hood with an integrated connector, for M12 sensor/actuator boxes with metal thread and pluggable screw connection, for 4, 6 or 8 slots

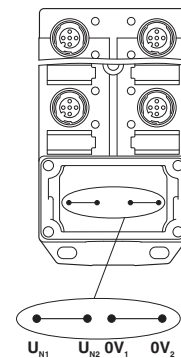
## Drawings

Schematic diagram



M12 slot, socket, 4-pos.

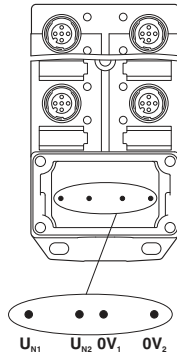
Schematic diagram



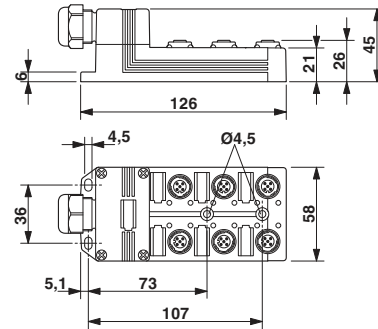
Potential  $U_{N1}$  and  $U_{N2}$  bridged. Potential assignment:  $U_{N1} = U_{N2} =$  slots 1,2,3,4,5,6.

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Schematic diagram



Dimensioned drawing



Electrically isolated. Potential assignment:  
 $U_{N1}$  = slots 1,3,5 and  $U_{N2}$  = slots 2,4,6.

Circuit diagram

