

## Sensor/actuator box header - SACB-4/ 8-L-C GG SCO P - 1452877

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Sensor/actuator box header, application: Standard, connection method: M12-SPEEDCON-socket Plastic, number of slots: 4, number of positions: 5, coding: A - standard, slot assignment: Double, status display: yes, pnp; master cable connection: Pluggable screw connection, shielding: no



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 553735
GTIN	4046356553735
Weight per Piece (excluding packing)	120.000 g
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
Number of positions	5
Number of slots	4
Flammability rating according to UL 94	V0
Sensor/actuator connection system	M12-SPEEDCON-socket

#### Ambient conditions

Degree of protection	IP65
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## Technical data

### Ambient conditions

	IP67
Ambient temperature (operation)	-25 °C ... 80 °C

### Local diagnostics function

Local diagnostics	Supply voltage 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
Tightening torque of mounting screw for fixing the housing	0.5 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	Sn
Material of the contact carrier on the master cable side	PA
Material of threaded sleeve	PBT
O-ring material	NBR
Sealing material	NBR (Connector hood)

### 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
	4 / 2 (B) = BN/GN
	1-4 / 1 (+ 24 V) = BN
	1-4 / 3 (0 V) = BU
	1-4 / 5 (PE) = GN/YE

### Standards and Regulations

Standard designation	M12 connector
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Technical data

Standards and Regulations

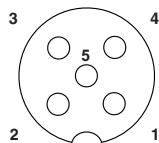
Standards/regulations	IEC 61076-2-101
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

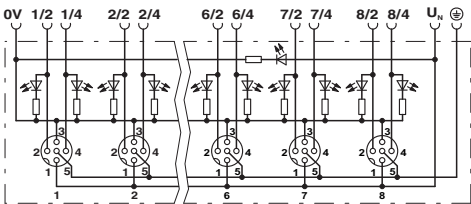
Drawings

Schematic diagram

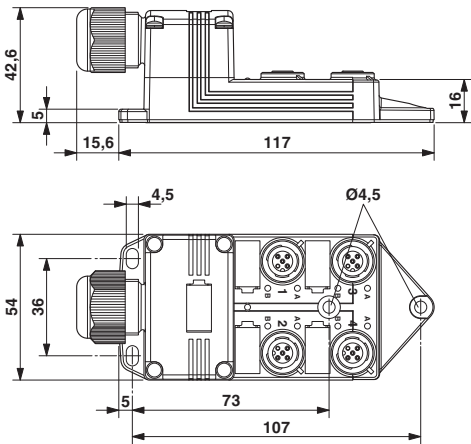


M12 slot, socket, 5-pos.

Circuit diagram



Dimensional drawing



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### 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	27279219
eCl@ss 7.0	27279219
eCl@ss 8.0	27279219
eCl@ss 9.0	27440108

#### ETIM

ETIM 4.0	EC002585
ETIM 5.0	EC002585
ETIM 6.0	EC002585

#### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31251501

### Approvals


#### Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized


#### Ex Approvals

#### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
Nominal voltage UN	24 V		

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### Approvals

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
Nominal voltage UN		24 V	

EAC		EAC-Zulassung
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>
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### Accessories

#### Accessories

##### Connector hood with master cable

###### Connector hood - SACB-C-H180-4/ 8- 5,0PUR SCO P - 1453083



Connector hood, application: Sensor/actuator box, connection method: M12-SPEEDCON-socket Plastic, number of slots: 4, slot assignment: Double, status display: No; master cable connection: Pluggable screw connection 180°, PUR/PVC, cable length: 5 m, shielding: no

###### Connector hood - SACB-C-H180-4/ 8-10,0PUR SCO P - 1453096



Connector hood, application: Sensor/actuator box, connection method: M12-SPEEDCON-socket Plastic, number of slots: 4, slot assignment: Double, status display: No; master cable connection: Pluggable screw connection 180°, PUR/PVC, cable length: 10 m, shielding: no

###### Connector hood - SACB-C-H180-4/ 8 SCO P PUR/ - 1401393



Connector hood, application: Sensor/actuator box, connection method: M12-SPEEDCON-socket Plastic, number of slots: 4, slot assignment: Double, status display: No; master cable connection: Pluggable screw connection 180°, PUR/PVC, cable length: 0.5 m ... 50 m, shielding: no

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### Accessories

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#### Connector hood without master cable

Connector hood - SACB-C-H180-8/16 SCO P - 1453229



Connector hood with integrated connector, for M12 sensor/actuator boxes with SPEEDCON plastic thread and plug-in screw connection, for 4, 6 or 8 slots

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#### Device marking

Snap-in markers - UC-EM (17,5X9) - 0827490



Snap-in markers, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm

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Snap-in markers - UCT-EM (17,5X9) - 0801491



Snap-in markers, Sheet, white, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm

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Snap-in markers - UC-EM (17,5X9) YE - 0827494



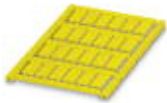
Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm

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### Accessories

Snap-in markers - UCT-EM (17,5X9) YE - 0801492



Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm

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### Labeled device marker

Snap-in markers - UC-EM (17,5X9) CUS - 0828238



Snap-in markers, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm

Snap-in markers - UCT-EM (17,5X9) CUS - 0801575



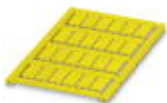
UniCard sheet, for labeling devices from other manufacturers, for overview table see download area, labeled according to customer specifications

Snap-in markers - UC-EM (17,5X9) YE CUS - 0828239



Snap-in markers, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm

Snap-in markers - UCT-EM (17,5X9) YE CUS - 0801576



UniCard sheet, for labeling devices from other manufacturers, for overview table see download area, labeled according to customer specifications

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### Accessories

Mounting rail adapter

Electronic housing - UTA 107 - 2853983

Universal DIN rail adapter



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### 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

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### Screwdriver tools

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

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Tool - SAC BIT M12-D15 - 1208432



Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive



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### Accessories

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

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Philips screwdriver - SZK PZ2 VDE - 1206463



Screwdriver, PZ crosshead, VDE insulated, size: PZ 2 x 100 mm, 2-component grip, with non-slip grip

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Tool - SAC BIT HOOD-W 24 - 1212486



Nut for assembling pressure nuts with 24 mm wrench size, for 4 mm hexagonal drive

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Screw insert - SF-BIT-PZ 2-50 - 1212592



Screw bit, PZ crosshead, E6.3-1/4" drive, size: PZ 2 x 50 mm, hardened, suitable for holder according to DIN 3126-F6.3/ ISO 1173

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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

## Sensor/actuator box header - SACB-4/ 8-L-C GG SCO P - 1452877

### Accessories

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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Torque screwdriver - TSD 25 SAC - 1212315



Torque screwdriver, with preset torque of 2.5 Nm and 4 mm hexagonal drive for the pressure nut of the connector hood

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Torque screwdriver - TSD-M 3NM - 1212225



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

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