

# Sensor/actuator box header - SACB-6/12-L-C GG SCO P - 1452893

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 header, Connection method: M12-SPEEDCON-socket Plastic, Number of slots: 6, Number of positions: 5, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Pluggable screw connection, Shielding: No



## Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 1             |
| GTIN             | 4046356553759 |

## 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                          | 6                   |
| Inflammability class according to UL 94  | V0                  |
| Sensor/actuator connection system        | M12-SPEEDCON-socket |

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP65             |
| Degree of protection            | IP67             |
| Ambient temperature (operation) | -25 °C ... 80 °C |

### 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 screw connection |
| Tightening torque slot sensor/actuator cable | 0.4 Nm                     |
| Tightening torque screw plug                 | 0.4 Nm                     |

# Sensor/actuator box header - SACB-6/12-L-C GG SCO P - 1452893

## Technical data

### 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                  |
| Material, O-ring                                         | NBR                  |
| Sealing material                                         | NBR (Connector hood) |

### Pin assignment

|                                          |                       |
|------------------------------------------|-----------------------|
| Slot/position = Wire color or connection | 1 / 4 (A) = WH        |
| Slot/position = Wire color or connection | 1 / 2 (B) = GY/PK     |
| Slot/position = Wire color or connection | 2 / 4 (A) = GN        |
| Slot/position = Wire color or connection | 2 / 2 (B) = RD/BU     |
| Slot/position = Wire color or connection | 3 / 4 (A) = YE        |
| Slot/position = Wire color or connection | 3 / 2 (B) = WH/GN     |
| Slot/position = Wire color or connection | 4 / 4 (A) = GY        |
| Slot/position = Wire color or connection | 4 / 2 (B) = BN/GN     |
| Slot/position = Wire color or connection | 5 / 4 (A) = PK        |
| Slot/position = Wire color or connection | 5 / 2 (B) = WH/YE     |
| Slot/position = Wire color or connection | 6 / 4 (A) = RD        |
| Slot/position = Wire color or connection | 6 / 2 (B) = YE/BN     |
| Slot/position = Wire color or connection | 1-4 / 1 (+ 24 V) = BN |
| Slot/position = Wire color or connection | 1-6 / 3 (0 V) = BU    |
| Slot/position = Wire color or connection | 1-6 / 5 (PE) = GN/YE  |

## 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 |
| eCl@ss 7.0 | 27449001 |
| eCl@ss 8.0 | 27449001 |

### ETIM

## Sensor/actuator box header - SACB-6/12-L-C GG SCO P - 1452893

### classifications

#### ETIM

|                 |          |
|-----------------|----------|
| <b>ETIM 4.0</b> | EC002585 |
| <b>ETIM 5.0</b> | EC002585 |

#### UNSPSC

|                      |          |
|----------------------|----------|
| <b>UNSPSC 6.01</b>   | 31261501 |
| <b>UNSPSC 7.0901</b> | 31261501 |
| <b>UNSPSC 11</b>     | 31261501 |
| <b>UNSPSC 12.01</b>  | 31261501 |
| <b>UNSPSC 13.2</b>   | 31261501 |

### approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized /

#### Approval details

|                                                                                                          |      |
|----------------------------------------------------------------------------------------------------------|------|
| <b>UL Recognized</b>  |      |
|                                                                                                          |      |
| Nominal voltage UN                                                                                       | 24 V |
| Nominal current IN                                                                                       |      |
| mm <sup>2</sup> /AWG/kcmil                                                                               |      |

|                                                                                                           |      |
|-----------------------------------------------------------------------------------------------------------|------|
| <b>cUL Recognized</b>  |      |
|                                                                                                           |      |
| Nominal voltage UN                                                                                        | 24 V |
| Nominal current IN                                                                                        |      |
| mm <sup>2</sup> /AWG/kcmil                                                                                |      |

|                                                                                                 |
|-------------------------------------------------------------------------------------------------|
| <b>GOST</b>  |
|-------------------------------------------------------------------------------------------------|

|                                                                                                             |
|-------------------------------------------------------------------------------------------------------------|
| <b>cULus Recognized</b>  |
|-------------------------------------------------------------------------------------------------------------|

## Sensor/actuator box header - SACB-6/12-L-C GG SCO P - 1452893

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 header - SACB-6/12-L-C GG SCO P - 1452893

accessories

---

### Torque tool

TSD 04 SAC - 1208429



---

TSD-M 1,2NM - 1212224



---

### Screwdriver tools

SACC BIT M12-D20 - 1208445



---

SZK PZ2 VDE - 1206463



---

### Connector hood with master cable

## Sensor/actuator box header - SACB-6/12-L-C GG SCO P - 1452893

### accessories

SACB-C-H180-6/12- 5,0PUR SCO P - 1453148



---

SACB-C-H180-6/12-10,0PUR SCO P - 1453151



---

SACB-C-H180-6/12 SCO P PUR/ - 1401413



---

### Connector hood without master cable

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

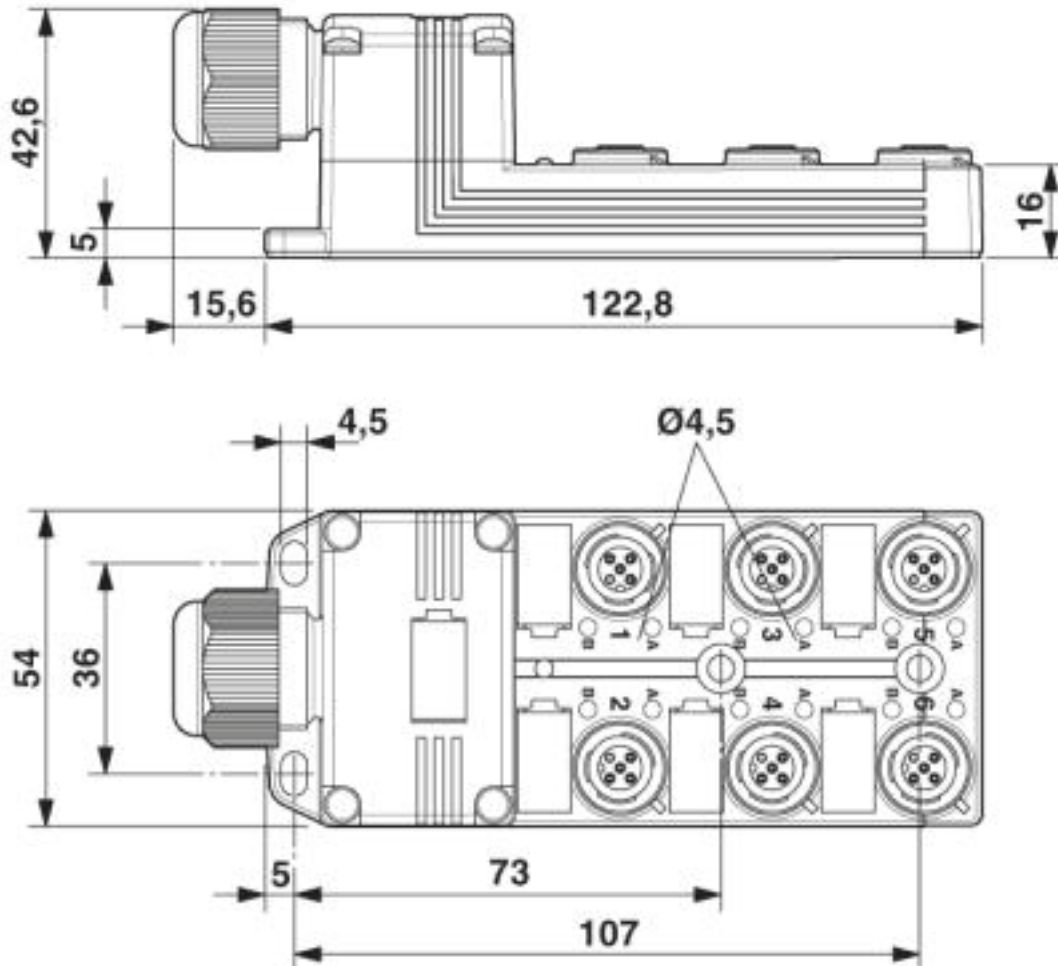


---

### Drawings

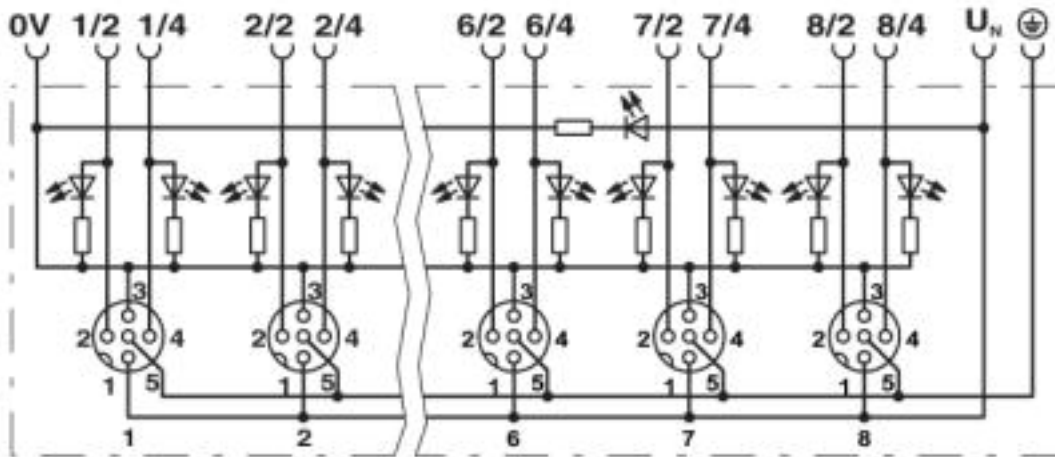
## Sensor/actuator box header - SACB-6/12-L-C GG SCO P - 1452893

Dimensioned drawing



## Sensor/actuator box header - SACB-6/12-L-C GG SCO P - 1452893

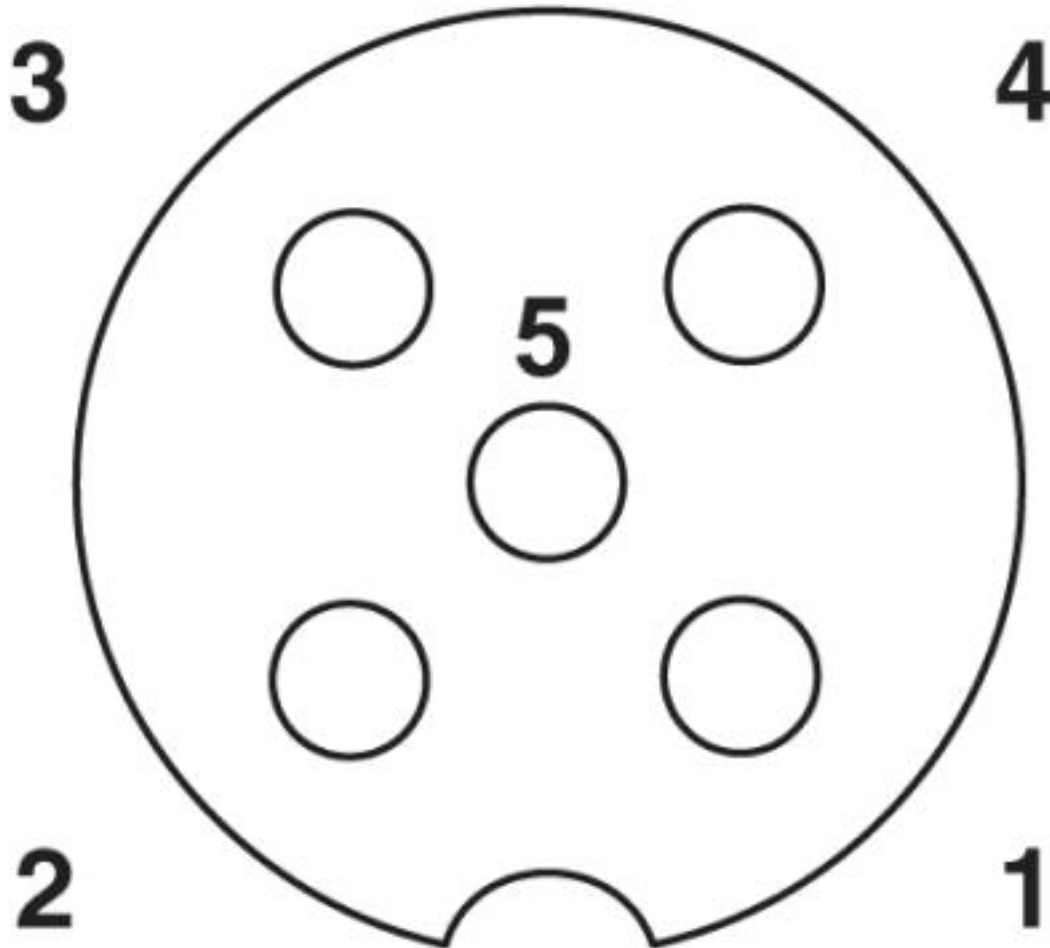
Circuit diagram





## Sensor/actuator box header - SACB-6/12-L-C GG SCO P - 1452893

Schematic diagram



M12 slot, socket, 5-pos.

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