

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

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Sensor/actuator box header, application: Standard, connection method: M12-SPEEDCON-socket Plastic, number of slots: 6, 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 pc                                                                                                    |
| GTIN         | <br>4 046356 553759 |
| 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                   |
| Flammability rating according to UL 94   | V0                  |
| Sensor/actuator connection system        | M12-SPEEDCON-socket |

#### Ambient conditions

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

#### Local diagnostics function

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

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## Technical data

### 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     |
|                                          | 5 / 4 (A) = PK        |
|                                          | 5 / 2 (B) = WH/YE     |
|                                          | 6 / 4 (A) = RD        |
|                                          | 6 / 2 (B) = YE/BN     |
|                                          | 1-6 / 1 (+ 24 V) = BN |
|                                          | 1-6 / 3 (0 V) = BU    |
|                                          | 1-6 / 5 (PE) = GN/YE  |

### Standards and Regulations

|                                        |                 |
|----------------------------------------|-----------------|
| Standard designation                   | M12 connector   |
| 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 |
|------------|---------------------------------------------------------|

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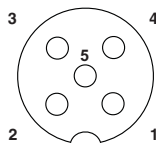
## Technical data

### Environmental Product Compliance

|  |                                                |
|--|------------------------------------------------|
|  | No hazardous substances above threshold values |
|--|------------------------------------------------|

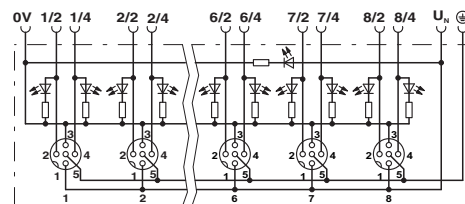
## Drawings

Schematic diagram

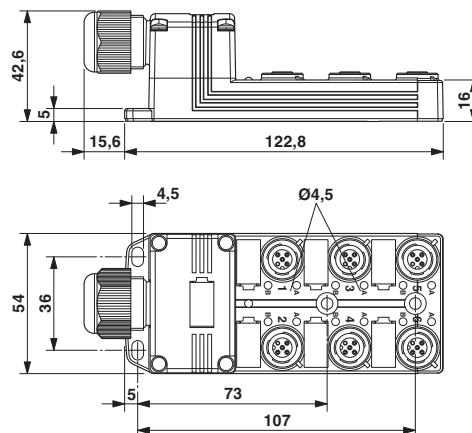


M12 slot, socket, 5-pos.

Circuit diagram



Dimensional drawing



## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

### Approval details

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

### Approvals

|                    |                                                                                   |                                                                                                                                                       |               |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 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                                                                                                                                                  |               |

|                    |                                                                                   |                                                                                                                                                       |               |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 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 |
|-----|-----------------------------------------------------------------------------------|---------------|

|                  |                                                                                     |                                                                                                                                                       |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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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