

# SACB-8/16-L-C GG SCO P - Sensor/actuator box header



1452916

<https://www.phoenixcontact.com/us/products/1452916>

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Sensor/actuator box header, application: Standard, connection method: M12-SPEEDCON-socket Plastic, number of slots: 8, number of positions: 5, coding: A, slot assignment: Double, status display: Yes, pnp; master cable connection: Pluggable screw connection, shielding: no

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1452916             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BF41                |
| Product key                          | BF3CBD              |
| Catalog page                         | Page 263 (C-2-2019) |
| GTIN                                 | 4046356553773       |
| Weight per piece (including packing) | 185.1 g             |
| Weight per piece (excluding packing) | 183.1 g             |
| Customs tariff number                | 85366990            |
| Country of origin                    | DE                  |

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## Technical data

### Notes

|         |  |
|---------|--|
| General | <b>NOTE:</b> Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties. |
| General | Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories".   |

### Product properties

|                     |                                      |
|---------------------|--------------------------------------|
| Product type        | Header with metric measurement slots |
| Number of positions | 5                                    |
| Application         | Standard                             |
| Number of slots     | 8                                    |
| Coding              | A                                    |
| LED                 | yes                                  |

### System properties

#### Local diagnostics

|                        |                |
|------------------------|----------------|
| Monitored function     | Supply voltage |
| Optical representation | Green LED      |

### Electrical properties

|   |                               |
|---|-------------------------------|
| Max. operating voltage $U_{max}$        | 30 V DC                       |
| Local diagnostics                       | Supply voltage Green LED      |
|   | Status display I/O Yellow LED |
| Nominal voltage $U_N$                   | 24 V DC                       |
| Rated current, total                    | 10 A                          |
| Max. current carrying capacity per path | 2 A                           |
| Current carrying capacity per slot      | 4 A                           |

### Signaling

|                        |     |
|------------------------|-----|
| Status display present | Yes |
|------------------------|-----|

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing | <p>The drawing shows two views of the header. The side view (top) shows a total length of 148.8 mm, a mounting height of 42.6 mm, and a cable length of 15.6 mm. The front view (bottom) shows a total width of 107 mm, a mounting height of 54 mm, and a distance of 73 mm between the first and last slots. A hole diameter of 4.5 mm is also indicated.</p> |
|---------------------|--|

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|        |        |
|--------|--------|
| Width  | 54 mm  |
| Height | 19 mm  |
| Length | 149 mm |

## Material specifications

|  |             |
|--|-------------|
| Material Threaded sleeve                                 | PBT         |
| Material Housing   | PBT         |
| Material Molding compound                                | PUR         |
| Flammability rating according to UL 94                   | V0          |
| Seal material O-ring                                     | NBR         |
| Contact material   | Cu alloy    |
| Contact surface material                                 | gold-plated |
| Contact carrier material                                 | PA          |
| Material of contact, master cable side                   | CU alloy    |
| Material of the contact carrier on the master cable side | PA          |
| Material of contact surface, master cable side           | Sn          |

## Cable/line

|                   |                            |
|-------------------|----------------------------|
| Connection method | Pluggable screw connection |
|-------------------|----------------------------|

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

|                          |                 |
|--------------------------|-----------------|
| Standard designation     | M12 connector   |
| Standards/specifications | IEC 61076-2-101 |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440111 |
| ECLASS-12.0 | 27440111 |
| ECLASS-13.0 | 27440111 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC003558 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31251500 |
|-------------|----------|

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## Environmental product compliance

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

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)