

**SACB-C-H180-8/16- 5,0PUR SCO**

Order No.: 1516632



Connector hood, Connection method: M12-SPEEDCON-socket,  
Number of slots: 8, Slot assignment: Double, Status indication: No;  
Master cable connection: Pluggable screw connection 180°, PUR/  
PVC, Cable length: 5 m, Shielding: No

**Commercial data**

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4 017918 967420    |
| Pack                     | 1                  |
| Customs tariff           | 85445190           |
| Country of Origin        | DE                 |
| Catalog page information | Page 183 (PC-2011) |

**Product notes**

WEEE/RoHS-compliant since:  
28/03/2006



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**Technical data****General data**

|                                          |       |
|------------------------------------------|-------|
| Rated voltage                            | 120 V |
| Current carrying capacity per I/O signal | 2 A   |
| Total rated current                      | 10 A  |
| Number of slots                          | 8     |

|                                   |                     |
|-----------------------------------|---------------------|
| Degree of protection              | IP65/IP67/IP69K     |
| Ambient temperature (operation)   | -30 °C ... 80 °C    |
| Sensor/actuator connection system | M12-SPEEDCON-socket |

#### Master cable data

|                                     |                                                  |
|-------------------------------------|--------------------------------------------------|
| Connection method                   | Pluggable screw connection                       |
| Length of cable                     | 5 m                                              |
| Cable type                          | Master cable suitable for flexible cable conduit |
| Signal line cross section           | 16x 0.5 mm <sup>2</sup>                          |
| AWG signal line                     | 20                                               |
| Conductor structure signal line     | 64x 0.10 mm                                      |
| Power supply cross section          | 3x 1 mm <sup>2</sup>                             |
| AWG power supply                    | 17                                               |
| Conductor structure, voltage supply | 128x 0.10 mm                                     |
| External diameter                   | 11.6 mm                                          |
| Max. bending cycles                 | 1500000                                          |
| Bending radius                      | 120 mm                                           |
| Traversing path                     | 2 m                                              |
| Traversing rate                     | 2 m/s                                            |
| Ambient temperature (operation)     | -40 °C ... 90 °C (for fixed installation)        |
|                                     | -5 °C ... 80 °C (for flexible installation)      |
| Tightening torque, cover screw      | 0.35 Nm                                          |
| Tightening torque, union nut        | 2.5 Nm                                           |

#### Insulation material

|                                                          |             |
|----------------------------------------------------------|-------------|
| Housing material                                         | PBT         |
| 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          |

#### 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      |
|  | 7 / 4 (A) = BK         |
|  | 7 / 2 (B) = WH/GY      |
|  | 8 / 4 (A) = VT         |
|  | 8 / 2 (B) = GY/BN      |
|  | 1-8 / 1 (+ 120 V) = BN |
|  | 1-8 / 3 (0 V) = BU     |
|  | 1-8 / 5 (PE) = GN/YE   |

## Certificates



Certification

CUL, UL

## Accessories

| Item           | Designation                  | Description                                                                                                                                                                              |
|----------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b> |                              |                                                                                                                                                                                          |
| 1559893        | SACB-16X0,5/ 3X1,0-200,0 PUR | Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PP, 19-pos., 16 x 0.50 mm <sup>2</sup> and 3 x 1.00 mm <sup>2</sup> , length: 200 m on drum          |
| 1402304        | SACB-16X0,5/ 3X1,0-50,0 80MC | Master cable for sensor/actuator boxes, 19-wire, unshielded, PUR halogen-free, drag chain and robot compatible, black outer sheath, 16 x 0.5 mm <sup>2</sup> and 3 x 1.0 mm <sup>2</sup> |

|         |                              |                                                                                                                                                                                                                                           |
|---------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1503373 | SACB-16X0,5/ 3X1,0-50,0 PUR  | Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PP, 19-pos., 16 x 0.50 mm <sup>2</sup> and 3 x 1.00 mm <sup>2</sup> , length: 50 m                                                                    |
| 1430938 | SACB-16X0,5/ 3X1,0-50,0 VPUR | Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PP, 19-pos., 16 x 0.50 mm <sup>2</sup> and 3 x 1.00 mm <sup>2</sup> , length: 50 m                                                                    |
| 1516771 | SACB-8/16-L-C GG SCO         | Sensor/actuator box header, Connection method: M12-SPEEDCON-socket, Number of slots: 8, Number of positions: 5, Slot assignment: Double, Status indication: Yes, prnp; Master cable connection: Pluggable screw connection, Shielding: No |
| 0824468 | SS-ZB 17,5 WH CUS            | Marker, can be labeled as per customer request                                                                                                                                                                                            |
| 0804976 | SS-ZB 17,5 YE                | Contactormarker Zack strip, unprinted: 5-section, for snapping into equipment and components with special marker carrier, can be labeled with M-PEN, CMS system or label BMKT 17.5 x 8, lettering field: 17.5 x 8 mm, color: yellow       |
| 0824469 | SS-ZB 17,5 YE CUS            | Marker, can be labeled as per customer request                                                                                                                                                                                            |

#### Marking

|         |               |                                                                                                                                                                                                                                    |
|---------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0804963 | SS-ZB 17,5 WH | Contactormarker Zack strip, unprinted: 5-section, for snapping into equipment and components with special marker carrier, can be labeled with M-PEN, CMS system or label BMKT 17.5 x 8, lettering field: 17.5 x 8 mm, color: white |
|---------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Tools

|         |                       |                                                                                                                      |
|---------|-----------------------|----------------------------------------------------------------------------------------------------------------------|
| 1212486 | SAC BIT HOOD-W 24     | Nut for assembling pressure nuts with 24 mm wrench size, for 4 mm hexagonal drive                                    |
| 1206450 | SZK PZ1 VDE           | Screwdriver, PZ crosshead, VDE insulated, size: PZ 1 x 80 mm, 2-component grip, with non-slip grip                   |
| 1212315 | TSD 25 SAC            | Torque screwdriver, with preset torque of 2.5 Nm and 4 mm hexagonal drive for the pressure nut of the connector hood |
| 1212224 | TSD-M 1,2NM           | Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm                              |
| 1212225 | TSD-M 3NM             | Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 1.2 - 3 Nm                                |
| 1212600 | TSD-M SAC-BIT ADAPTER | Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits                      |