

Connector hood - SACB-C-H180-8/16-25,0PUR SCO



1537941

<https://www.phoenixcontact.com/gb/products/1537941>

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Connector hood, application: Sensor/actuator box, connection method: M12-SPEEDCON-socket Metal / QUICKON, number of slots: 8, slot assignment: Double, status display: No; master cable connection: Pluggable screw connection 180°, PUR/PVC, cable length: 25 m, shielding: no

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Commercial Data

| | |
|--------------------------------------|---------------|
| Item number | 1537941 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales Key | BF3CCG |
| Product Key | BF3CCG |
| GTIN | 4046356074803 |
| Weight per Piece (including packing) | 4,752 g |
| Weight per Piece (excluding packing) | 4,752 g |
| Customs tariff number | 85444290 |
| Country of origin | PL |

Technical Data

Notes

| | |
|-----------------------|--|
| Assembly instruction: | NOTE: 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. |
|-----------------------|--|

Product properties

| | |
|-----------------|---------------------|
| Application | Sensor/actuator box |
| Number of slots | 8 |

Electrical properties

| | |
|---|----------|
| Nominal voltage U_N | 120 V AC |
| | 120 V DC |
| Rated current, total | 10 A |
| Max. current carrying capacity per path | 2 A |

LED signaling

| | |
|------------------------|----|
| Status display present | No |
|------------------------|----|

Dimensions

| | |
|--------|-------|
| Width | 58 mm |
| Height | 21 mm |
| Length | 34 mm |

Material specifications

| | |
|--|-------------|
| Color | black |
| 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 | gold-plated |
| Housing material | PBT |

Cable / line

| | |
|---------------------------------|---------------------------------------|
| Cable length | 25 m |
| Cable weight | 183.7 kg/km |
| UL AWM Style | 20549 (80°C/300 V) |
| Number of positions | 19 |
| Shielded | no |
| Cable type | PUR/PVC black [PUR] |
| Conductor structure signal line | 28x 0.15 mm |
| AWG signal line | 20 |
| Conductor cross section | 16x 0.5 mm ² (Signal line) |
| | 3x 1 mm ² (power line) |

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| | |
|---|--|
| Wire diameter incl. insulation | 1.5 mm ±0.1 mm (Signal line) |
| | 2.1 mm ±0.1 mm (power line) |
| External cable diameter | 10.5 mm ±0.2 mm |
| Outer sheath, material | PUR |
| External sheath, color | black RAL 9005 |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PVC |
| Single wire, color | brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown |
| Inner sheath thickness | ≥ 0.15 mm |
| Thickness, outer sheath | ≥ 0.76 mm |
| Overall twist | Wires twisted in layers |
| Nominal voltage, cable | 300 V |
| Test voltage | 2000 V |
| Minimum bending radius, fixed installation | 7.5 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Max. bending cycles | 1500000 |
| Flame resistance | according to DIN EN 50265 |
| Resistance to oil | according to VDE 0472 Part 803 |
| Other resistance | Highly resistant to acids, alkaline solutions and solvents |
| Special properties | Silicone-free |
| Ambient temperature (operation) | -40 °C ... 90 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (Cable, flexible installation) |

Cable structure

| | |
|------------|--|
| Cable type | Master cable suitable for flexible cable conduit |
|------------|--|

Master cable data/connection data

| | |
|--|----------------------------|
| Sensor/actuator connection system | M12-SPEEDCON-socket |
| Connection method | Pluggable screw connection |
| Conductor cross section signal conductor | 16x 0.5 mm ² |
| Conductor structure signal line | 64x 0.10 mm |
| Conductor cross section voltage supply | 3x 1 mm ² |
| Conductor structure, voltage supply | 128x 0.10 mm |
| Number of bending cycles | 1500000 |
| Traversing rate | 2 m/s |
| Traversing path | 2 m |
| Tightening torque, cover screw | 0.35 Nm |
| Tightening torque, union nut | 2.5 Nm |

Ambient conditions

| | |
|---------------------------------|---|
| Ambient temperature (operation) | -40 °C ... 90 °C (for fixed installation) |
| | -5 °C ... 80 °C (for flexible installation) |

Environmental and real-life conditions

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Ambient conditions

| | |
|---------------------------------|------------------|
| Degree of protection | IP65 |
| | IP67 |
| | IP69K |
| Ambient temperature (operation) | -30 °C ... 80 °C |


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Approvals

|  cUL Recognized | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| | | | - | - |

|  UL Recognized | | | | |
|---|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| | | | - | - |

|  EAC | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

| cULus Recognized | | | | |
|------------------|--|--|--|--|
|------------------|--|--|--|--|

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Classifications

ECLASS

| | |
|---------------|----------|
| ECLASS-10.0.1 | 27440108 |
| ECLASS-9.0 | 27440108 |
| ECLASS-11.0 | 27440108 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC002585 |
|----------|----------|

UNSPSC

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

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Environmental Product Compliance

| | |
|------------|--|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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Accessories

Sensor/actuator box header

Sensor/actuator box header - SACB-8/16-L-C GG SCO - 1516771

<https://www.phoenixcontact.com/gb/products/1516771>



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

Philips screwdriver

Philips screwdriver - SZK PZ1 VDE - 1206450

<https://www.phoenixcontact.com/gb/products/1206450>



Screwdriver, PZ crosshead, VDE insulated, size: PZ 1 x 80 mm, 2-component grip, with non-slip grip

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Master cable ring

Master cable ring - SACB-16X0,5/ 3X1,0-50,0 PUR - 1503373

<https://www.phoenixcontact.com/gb/products/1503373>



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PP, 19-pos., 16 x 0.50 mm² and 3 x 1.00 mm², length: 50 m

Torque screwdriver

Torque screwdriver - TSD 25 SAC - 1212315

<https://www.phoenixcontact.com/gb/products/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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Master cable ring

Master cable ring - SACB-16X0,5/ 3X1,0-200,0 PUR - 1559893

<https://www.phoenixcontact.com/gb/products/1559893>



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PP, 19-pos., 16 x 0.50 mm² and 3 x 1.00 mm², length: 200 m on drum

Torque screwdriver

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

<https://www.phoenixcontact.com/gb/products/1212224>



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

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Master cable ring

Master cable ring - SACB-16X0,5/ 3X1,0-50,0 VPUR - 1430938

<https://www.phoenixcontact.com/gb/products/1430938>



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PP, 19-pos., 16 x 0.50 mm² and 3 x 1.00 mm², length: 50 m

Torque screwdriver

Torque screwdriver - TSD-M 3NM - 1212225

<https://www.phoenixcontact.com/gb/products/1212225>



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

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Master cable ring

Master cable ring - SACB-16X0,5/ 3X1,0-50,0 80MC - 1402304

<https://www.phoenixcontact.com/gb/products/1402304>



Master cable for sensor/actuator boxes, 19-wire, unshielded, PUR halogen-free, drag chain and robot compatible, black outer sheath, 16 x 0.5 mm² and 3 x 1.0 mm²

Tool

Tool - SAC BIT HOOD-W 24 - 1212486

<https://www.phoenixcontact.com/gb/products/1212486>



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

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Adapter insert

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600

<https://www.phoenixcontact.com/gb/products/1212600>



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Screw insert

Screw insert - SF-BIT-PZ 1-50 - 1212591

<https://www.phoenixcontact.com/gb/products/1212591>



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

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Snap-in markers

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

<https://www.phoenixcontact.com/gb/products/0827490>



Snap-in markers, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID, BLUEMARK ID COLOR, BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

Snap-in markers

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

<https://www.phoenixcontact.com/gb/products/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, Number of individual labels: 20

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Snap-in markers

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

<https://www.phoenixcontact.com/gb/products/0801491>



Snap-in markers, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 24

Snap-in markers

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

<https://www.phoenixcontact.com/gb/products/0801575>



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

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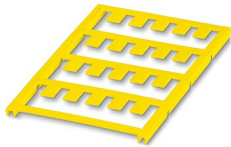
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Snap-in markers

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

<https://www.phoenixcontact.com/gb/products/0827494>

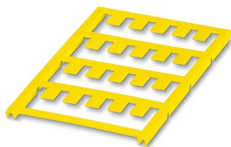


Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

Snap-in markers

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

<https://www.phoenixcontact.com/gb/products/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, Number of individual labels: 20

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Snap-in markers

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

<https://www.phoenixcontact.com/gb/products/0801492>



Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 24

Snap-in markers

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

<https://www.phoenixcontact.com/gb/products/0801576>



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

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