# Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

## Contact us

**PHŒNIX CONTACT**

# Connector hood - SACB-C-H180-4/ 4-10,0PUR SCO - 1516548

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Connector hood, For use in Sensor/actuator box, Connection method: M12-SPEEDCON-socket Metal, Number of slots: 4, Slot assignment: Single, Status indication: No; Master cable connection: Pluggable screw connection 180°, PUR/PVC, Cable length: 10 m, Shielding: No

## Key commercial data

| Packing unit | 1 PCE |
|---|---|
| Weight per Piece (excluding packing) | 1103.9 GRM |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

## Technical data

### General

| Rated voltage | 120 V |
|---|---|
| Current carrying capacity per I/O signal | 2 A |
| Total rated current | 10 A |
| Number of slots | 4 |
| Sensor/actuator connection system | M12-SPEEDCON-socket |

### Ambient conditions

| Degree of protection | IP65 |
|---|---|
|  | IP67 |
|  | IP69K |
| Ambient temperature (operation) | -30 °C ... 80 °C |
|  | -40 °C ... 90 °C (for fixed installation) |
|  | -5 °C ... 80 °C (for flexible installation) |

### Master cable connection data

| Connection method | Pluggable screw connection |
|---|---|
| Length of cable | 10 m |

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## Technical data

### Master cable connection data

| | |
|---|---|
| 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 |
|---|---|
| | 2 / 4 (A) = GN |
| | 3 / 4 (A) = YE |
| | 4 / 4 (A) = GY |
| | 1-4 / 1 (+ 120 V) = BN |
| | 1-4 / 3 (0 V) = BU |
| | 1-4 / 5 (PE) = GN/YE |

### Cable

| | |
|---|---|
| Cable type | PUR/PVC black |
| Cable type (abbreviation) | PUR |
| Cable abbreviation | LiYY11Y-HF |
| UL AWM style | 20549 |
| Conductor cross section | 4x 0.34 mm² (signal line) |
| | 3x 0.75 mm² (power line) |
| AWG signal line | 22 |
| AWG power supply | 18 |
| Conductor structure signal line | 19x 0.15 mm |
| Conductor structure, voltage supply | 42x 0.15 mm |
| Core diameter including insulation | 1.3 mm ±0.1 mm (signal line) |
| | 1.8 mm ±0.1 mm (power line) |
| Thickness, insulation | ≥ 0.15 mm (Inner sheath) |
| | ≥ 0.38 mm (Outer cable sheath) |
| Overall twist | Wires twisted in layers |
| External sheath, color | Black RAL 9005 |
| External cable diameter D | 6.9 mm ± 0.2 mm |
| Minimum bending radius, fixed installation | 7.5 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Number of bending cycles | 1500000 |

# Connector hood - SACB-C-H180-4/ 4-10,0PUR SCO - 1516548

## Technical data

### Cable

| | |
|---|---|
| Bending radius | 69 mm |
| Traversing path | 2 m |
| Traversing rate | 2 m/s |
| Cable weight | 77.9 kg/km |
| Outer sheath, material | PUR |
| Material, inner sheath | PVC |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 2000 V |
| Special properties | Silicone-free |
| Flame resistance | DIN EN 50265 |
| Resistance to oil | As per VDE 0472 Part 803 |
| Other resistance | Highly resistant to acids, alkaline solutions and solvents |
| Ambient temperature (operation) | -40 °C ... 90 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (cable, flexible installation) |

## 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

| | |
|---|---|
| ETIM 2.0 | EC000200 |
| ETIM 3.0 | EC001856 |
| ETIM 4.0 | EC002585 |
| ETIM 5.0 | EC002585 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 31261501 |
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11 | 31261501 |

# Connector hood - SACB-C-H180-4/ 4-10,0PUR SCO - 1516548

## Classifications

### UNSPSC

| UNSPSC 12.01 | 31261501 |
| --- | --- |
| UNSPSC 13.2 | 31261501 |

## Approvals

### Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

UL Recognized

cUL Recognized

GOST

cULus Recognized

## Accessories

Accessories

Cable by the meter

# Connector hood - SACB-C-H180-4/ 4-10,0PUR SCO - 1516548

## Accessories

Master cable ring - SACB- 4X0,34/ 3X0,75-50,0 PUR - 1503328

Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 7-pos., 4 x 0.34 mm² and 3 x 0.75 mm²

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## Device marking

Contactor marker – zack marker strip - SS-ZB 17,5 WH - 0804963

Contactor marker – zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

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Contactor marker – zack marker strip - SS-ZB 17,5 YE - 0804976

Contactor marker – zack marker strip, Strip, yellow, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

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## Header with metric measurement slots

Sensor/actuator box header - SACB-4/ 4-L-C GG SCO - 1516726

Sensor/actuator box header, Connection method: M12-SPEEDCON-socket Metal, Number of slots: 4, Number of positions: 4, Slot assignment: Single, Status indication: Yes, pnp; Master cable connection: Pluggable screw connection, Shielding: No

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## Labeled device marker

**PHŒNIX CONTACT**

# Connector hood - SACB-C-H180-4/ 4-10,0PUR SCO - 1516548

## Accessories

Contactor marker – zack marker strip - SS-ZB 17,5 WH CUS - 0824468

Contactor marker – zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

Contactor marker – zack marker strip - SS-ZB 17,5 YE CUS - 0824469

Contactor marker – zack marker strip, Can be ordered: Strip, yellow, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

## Screwdriver tools

Philips screwdriver - SZK PZ1 VDE - 1206450

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

Tool - SAC BIT HOOD-W 24 - 1212486

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

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

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

# Connector hood - SACB-C-H180-4/ 4-10,0PUR SCO - 1516548

## Accessories

Torque tool

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

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

Torque screwdriver - TSD 25 SAC - 1212315

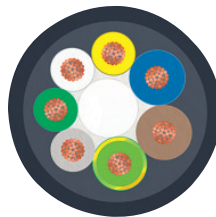Torque screwdriver, with preset torque of 2.5 Nm and 4 mm hexagonal drive for the pressure nut of the connector hood

Torque screwdriver - TSD-M 3NM - 1212225

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

## Drawings

Cable cross section

PUR/PVC black [PUR]