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

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://download.phoenixcontact.com)

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

SPEEDCON LOCKING

Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	209.0 GRM
Custom tariff number	85366990
Country of origin	Poland

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
	2x 8 A (For electrical isolation)
Number of positions	4
Number of slots	4
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M12-SPEEDCON-socket

Ambient conditions

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

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Technical data

Local diagnostics function

Local diagnostics	Supply voltage per module Green LED
	Status display I/O Yellow LED

Master cable data/connection data

Connection method	Pluggable screw connection
Tightening torque slot sensor/actuator cable	0.4 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	Gold-plated
Material of the contact carrier on the master cable side	PA 66 V0
Material of threaded sleeve	Zinc die-cast
Material of threaded sleeve surface	Nickel-plated
Material, O-ring	NBR

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4
	2 / 4 (A) = 2 / 4
	3 / 4 (A) = 3 / 4
	4 / 4 (A) = 4 / 4
	1-4 / 1 (+ 24 V) = U_N
	1-4 / 3 (0 V) = 0 V
	1-4 / 5 (PE) = PE

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

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Classifications

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
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	
Nominal current IN	3 A
Nominal voltage UN	24 V

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Approvals

cUL Recognized c⚡	
Nominal current IN	3 A
Nominal voltage UN	24 V

GOST Ⓟ

cULus Recognized c⚡us

Accessories

Accessories

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

Protective cap

Screw plug - PROT-MS SCO - 1553129

M12 screw plug with SPEEDCON quick locking for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors

Screwdriver tools

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

Accessories

Tool - SAC BIT M12-D15 - 1208432

Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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Tool - SACC BIT M12-D20 - 1208445

Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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Philips screwdriver - SZK PZ1 VDE - 1206450

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

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Torque tool

Torque screwdriver - TSD 04 SAC - 1208429

Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

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Required add-on products

Connector hood - SACB-C-H180-4/ 4- 5,0PUR SCO - 1516353

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: 5 m, Shielding: No

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

Accessories

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

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

Connector hood - SACB-C-H180 4- 4 SCO PUR/ - 1516658

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: 0.5 m ... 50 m, Shielding: No
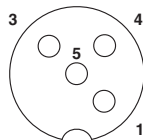
Connector hood - SACB-C-H180 8/16 SCO - 1516713

Connector hood with an integrated connector, for M12 sensor/actuator boxes with metal thread and pluggable screw connection, for 4, 6 or 8 slots
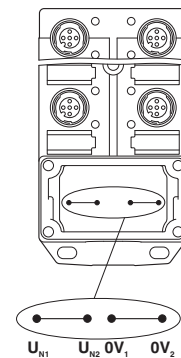
Drawings
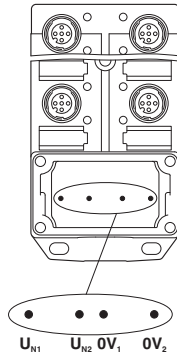
Schematic diagram

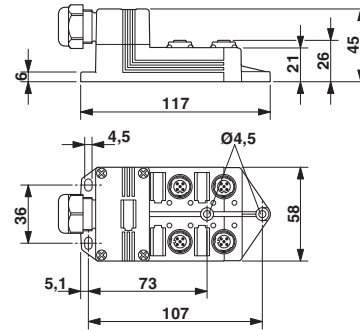M12 slot, socket, 4-pos.

Schematic diagram

Potential U_{N1} and U_{N2} bridged. Potential assignment: $U_{N1} = U_{N2}$ = slots 1,2,3,4.

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Schematic diagram

U$_{N1}$ U$_{N2}$ 0V$_1$ 0V$_2$

Electrically isolated. Potential assignment:
U$_{N1}$ = slots 1,3 and U$_{N2}$ = slots 2,4.

Dimensioned drawing

Circuit diagram

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