



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Sensor/actuator box header - SACB-10/3-L-C-M8 GG - 1516289

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: M8 socket Metal, Number of slots: 10, Number of positions: 3, Slot assignment: Single, Status indication: Yes, pnp; Master cable connection: Pluggable screw connection, Shielding: No



### Key commercial data

Packing unit	1 PCE
GTIN	 4 017918 967215
Weight per Piece (excluding packing)	170.5 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	2 A
Total rated current	8 A
Number of positions	3
Number of slots	10
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M8 socket

#### Ambient conditions

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

## Sensor/actuator box header - SACB-10/3-L-C-M8 GG - 1516289

### Technical data

#### Local diagnostics function

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

#### Master cable data/connection data

Connection method	Pluggable screw connection
Tightening torque slot sensor/actuator cable	0.2 Nm

#### Insulation material

Housing material	PBT
Material of the moulding mass	PUR
Contact material	CuSn
Contact surface material	Ni/Au
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	Cu alloy
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
	5 / 4 (A) = 5 / 4
	6 / 4 (A) = 6 / 4
	7 / 4 (A) = 7 / 4
	8 / 4 (A) = 8 / 4
	9 / 4 (A) = 9 / 4
	10 / 4 (A) = 10 / 4
	1-10 / 1 (+24 V) = U <sub>N</sub>
	1-10 / 3 (0 V) = 0 V

### Classifications

#### eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815

# Sensor/actuator box header - SACB-10/3-L-C-M8 GG - 1516289

## Classifications

### eCl@ss

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
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

## Approvals

### Approvals

---

#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

---

#### Ex Approvals

---

#### Approvals submitted

---

#### Approval details

## Sensor/actuator box header - SACB-10/3-L-C-M8 GG - 1516289

### Approvals

UL Recognized	
Nominal voltage UN	24 V

cUL Recognized	
Nominal voltage UN	24 V

GOST	
------	--

cULus Recognized	
------------------	--

### Accessories

#### Accessories

#### Labeled terminal marker

Zack Marker strip, flat - ZBF10 CUS - 0825031



Zack Marker strip, flat, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, For terminal block width: 10 mm, Lettering field: 5.15 x 10 mm

#### Protective cap

Screw plug - PROT-M8 - 1682540



An M8 screw plug for the unoccupied M8 sockets of the sensor/actuator cable, boxes and flush-type connectors



## Sensor/actuator box header - SACB-10/3-L-C-M8 GG - 1516289

### Accessories

---

#### Screwdriver tools

Tool - SAC BIT M8-D10 - 1208461



Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

---

Tool - SACC BIT M8-D12 - 1208474



Nut for assembling SACC M8 connectors for free assembly with longitudinal knurl, excluding M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

---

Philips screwdriver - SZK PZ2 VDE - 1206463



Screwdriver, PZ crosshead, VDE insulated, size: PZ 2 x 100 mm, 2-component grip, with non-slip grip

---

#### Terminal marking

Zack Marker strip, flat - ZBF10:UNBEDRUCKT - 0809997



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 10 mm, Lettering field: 5.15 x 10 mm

---

#### Torque tool

## Sensor/actuator box header - SACB-10/3-L-C-M8 GG - 1516289

### Accessories

Torque screwdriver - TSD 02 SAC - 1208487



Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

---

### Required add-on products

Connector hood - SACB-C-H180-10/3- 5,0PUR-M8 - 1516357



Connector hood, For use in Sensor/actuator box, Connection method: M8 socket Metal, Number of slots: 10, Slot assignment: Single, Status indication: No; Master cable connection: Pluggable screw connection 180°, PUR/PVC, Cable length: 5 m, Shielding: No

---

Connector hood - SACB-C-H180-10/3-10,0PUR-M8 - 1516360



Connector hood, For use in Sensor/actuator box, Connection method: M8 socket Metal, Number of slots: 10, 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 10-3 M8 PUR/ - 1516409



Connector hood, For use in Sensor/actuator box, Connection method: M8 socket Metal, Number of slots: 10, 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-H180-10/3-M8 - 1516412

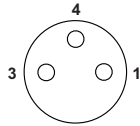


Connector hood, For use in Sensor/actuator box, Connection method: M8 socket, Number of slots: 10, Slot assignment: Single, Status indication: No; Master cable connection: Pluggable screw connection 180°

# Sensor/actuator box header - SACB-10/3-L-C-M8 GG - 1516289

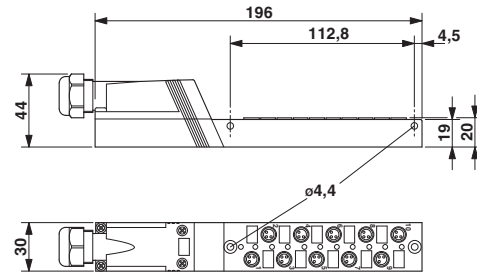
## Drawings

Schematic diagram



M8 slot, socket, 3-pos.

Dimensioned drawing



Circuit diagram

