SACB- 6/3-L-C-M8 HD GG - Sensor/actuator box header

1197606

https://www.phoenixcontact.com/us/products/1197606

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Sensor/actuator box header, application: Standard, connection method: M8 socket Metal, number of slots: 6, number of positions: 3, coding: A, slot assignment: single, status display: Yes, pnp; master cable connection: Plug-in master cable connection, shielding: no

Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Convenient: increased machine availability thanks to quick and easy diagnostics
- Flexible: distributor box with connector hood for on-site assembly

Commercial data

Item number	1197606
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF40
Product key	BF3BCD
GTIN	4063151257446
Weight per piece (including packing)	119.4 g
Weight per piece (excluding packing)	119.4 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Notes

General	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.
General	Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories".

Product properties

Product type	Header with metric measurement slots
Number of positions	3
Application	Standard
Number of slots	6
Coding	A
LED	yes

System properties

Local diagnostics

Monitored function	Supply voltage
Optical representation	Green LED

Electrical properties

Max. operating voltage U_{max}	30 V DC
Local diagnostics	Supply voltage Green LED
	Status display I/O Yellow LED
Nominal voltage U_N	24 V DC
Rated current, total	8 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	2 A

Signaling

Status display present	Yes

Dimensions

Dimensional drawing	
Width	30 mm

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Height	17 mm
Length	155.9 mm

Material specifications

Material	Cu alloy
	PBT
	PUR
Seal material O-ring	FKM
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PBT
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	tin-plated

Cable/line

Sensor/actuator connection system	M8 socket
Connection method	Plug-in master cable connection
Tightening torque, cover screw	1 Nm
Tightening torque of mounting screw for fixing the housing	0.8 Nm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-25 °C ... 80 °C

Standards and regulations

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

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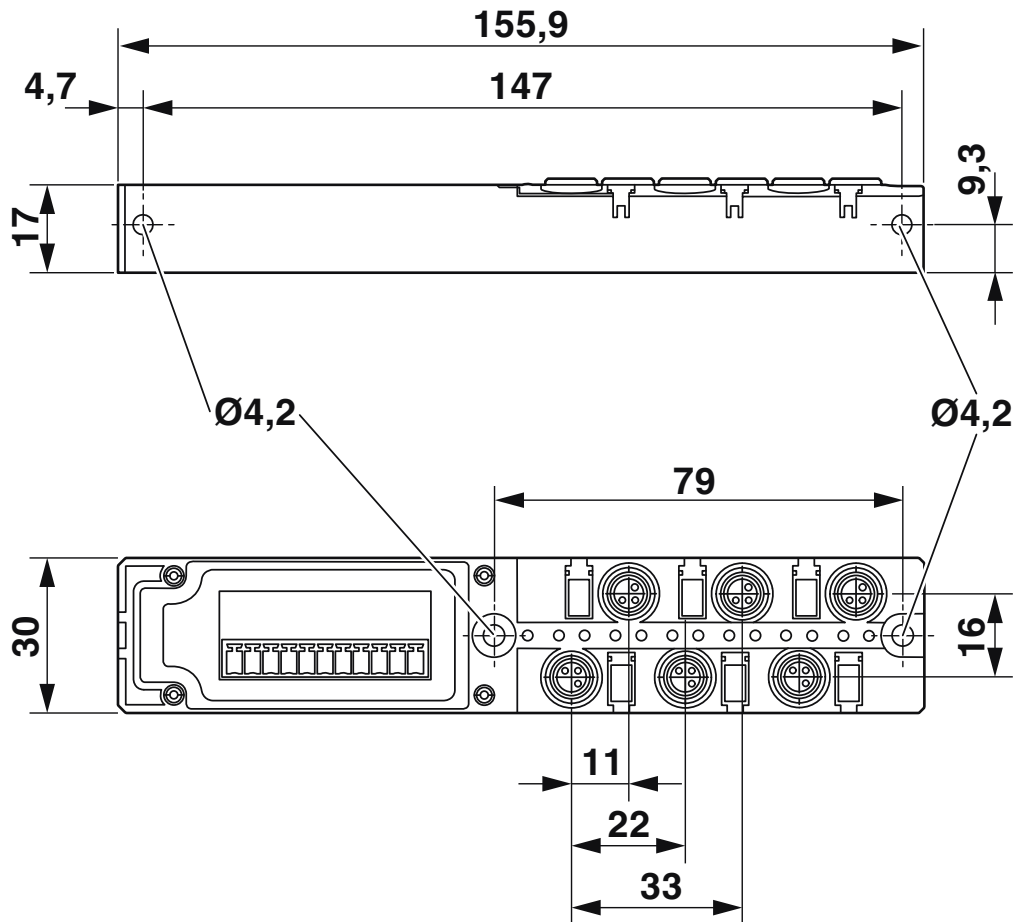
Drawings

Schematic diagram
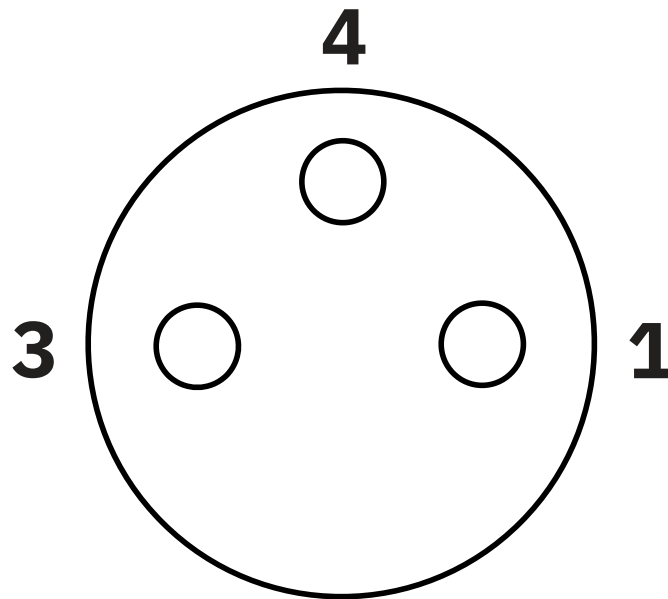
M8 slot, socket, 3-pos.

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Dimensional drawing

Circuit diagram

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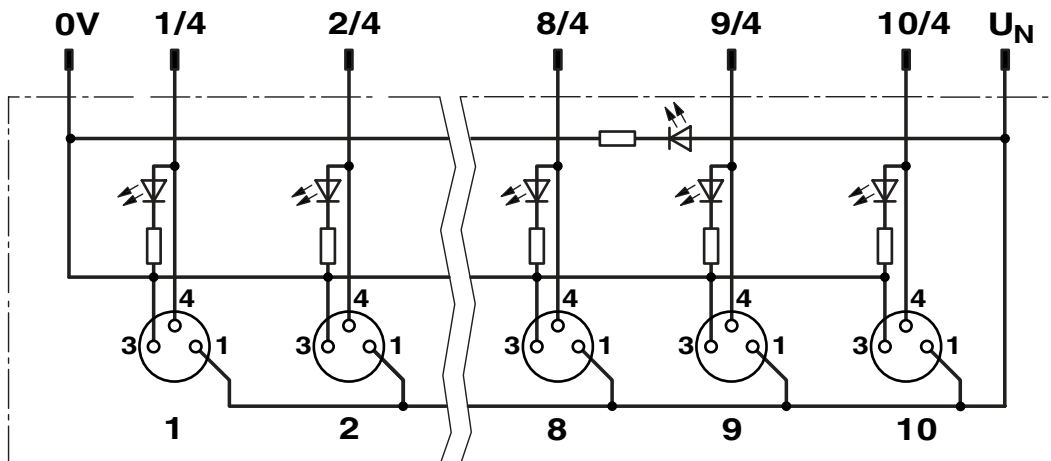
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Classifications

ECLASS

ECLASS-11.0	27440111
ECLASS-12.0	27440111
ECLASS-13.0	27440111

ETIM

ETIM 8.0	EC003558

UNSPSC

UNSPSC 21.0	31251500

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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Mandatory accessories

SACB-PT-H180- 6/3-M8 HD - Connector hood

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Connector hood, application: Standard, connection method: M8 socket Metal, number of slots: 6, number of positions: 3, slot assignment: single, status display: No, Universal; master cable connection: Plug-in push-in spring-cage connection 180°, shielding: no

SACB-C-H180- 6/3-M8 HD - Connector hood

1197641

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Connector hood, application: Standard, connection method: M8 socket Metal, number of slots: 6, number of positions: 3, slot assignment: single, status display: No, Universal; master cable connection: Pluggable screw connection 180°, shielding: no

Accessories

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SACB-PT-H180- 6/3-M8 HD - Connector hood

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SACB- 6X0,34/2X0,75-50 PUR - Master cable ring

1517589

https://www.phoenixcontact.com/us/products/1517589

Master cable for sensor/actuator boxes, without PE conductor, unshielded, material PUR/PVC, 8-pos., 6 x 0.34 mm^2 and 2 x 0.75 mm^2, length: 50 m

UCT-TM 6 - Marker for terminal blocks

0828736

https://www.phoenixcontact.com/us/products/0828736

Marker for terminal blocks, 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, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

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PROT-M8 - Screw plug

1682540

https://www.phoenixcontact.com/us/products/1682540

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

TSD 02 SAC - Torque screwdriver

1208487

https://www.phoenixcontact.com/us/products/1208487

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

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SAC BIT M8-D10 - Tool

1208461

https://www.phoenixcontact.com/us/products/1208461

Nut for assembling M8 connectors with longitudinal knurl and a knurl diameter of 10 mm, for 4 mm hexagonal drive

SACC BIT M8-D12 - Tool

1208474

https://www.phoenixcontact.com/us/products/1208474

Nut for assembling M8 connectors with longitudinal knurl and a knurl diameter of 12 mm, for 4 mm hexagonal drive

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SZK PZ2 VDE - Screwdriver

1206463

https://www.phoenixcontact.com/us/products/1206463

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