

SACB-4/ 4-L-M23 - Sensor/actuator box



1692404

<https://www.phoenixcontact.com/us/products/1692404>

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Sensor/actuator box, application: Standard, connection method: M12 socket Plastic, number of slots: 4, number of positions: 4, coding: A, slot assignment: single, status display: Yes, pnp; master cable connection: M23 plug connection 90°, 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

Commercial data

Item number	1692404
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF41
Product key	BF3CBB
Catalog page	Page 114 (PC-2009)
GTIN	4017918177867
Weight per piece (including packing)	112.8 g
Weight per piece (excluding packing)	104 g
Customs tariff number	85366990
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	Distributor boxes with M8 to M12 slots
Number of positions	4
Application	Standard
Number of slots	4
Coding	A
LED	yes

Material specifications

Material	PA
	PA
Flammability rating according to UL 94	V0
Seal material O-ring	NBR
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

Dimensions

Dimensional drawing	
Width	54 mm
Height	26 mm
Length	117 mm

Connection data

Conductor connection

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Connection method	M23 plug connection
Tightening torque slot sensor/actuator cable	0.4 Nm

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1
	2 / 4 (A) = 2
	3 / 4 (A) = 3
	4 / 4 (A) = 4
	1-4 / 1 (+ 24 V) = 11
	1-4 / 3 (0 V) = 9+10
	1-4 / 5 (PE) = 12

Signaling

Status display present	Yes
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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	12 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	4 A

Cable/line

Sensor/actuator connection system	M12 socket
Connection method	M23 plug connection
Tightening torque slot sensor/actuator cable	0.4 Nm

Environmental and real-life conditions

Ambient conditions

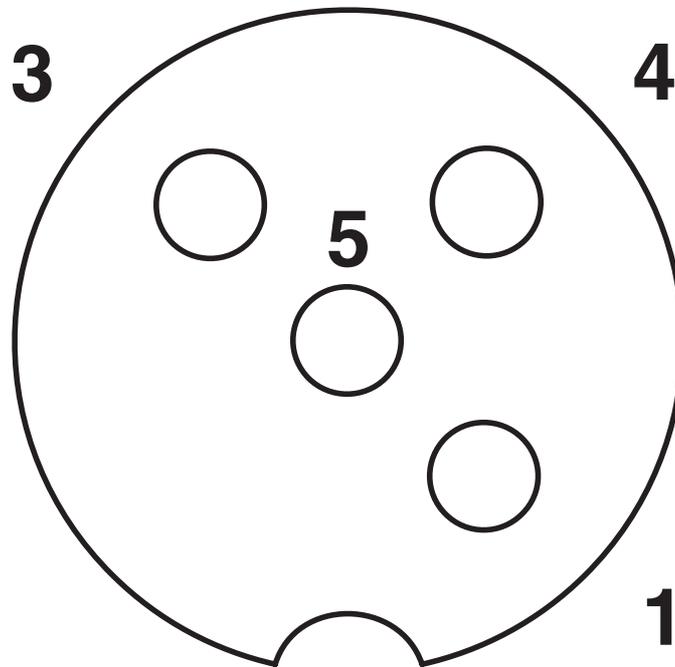
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-20 °C ... 75 °C

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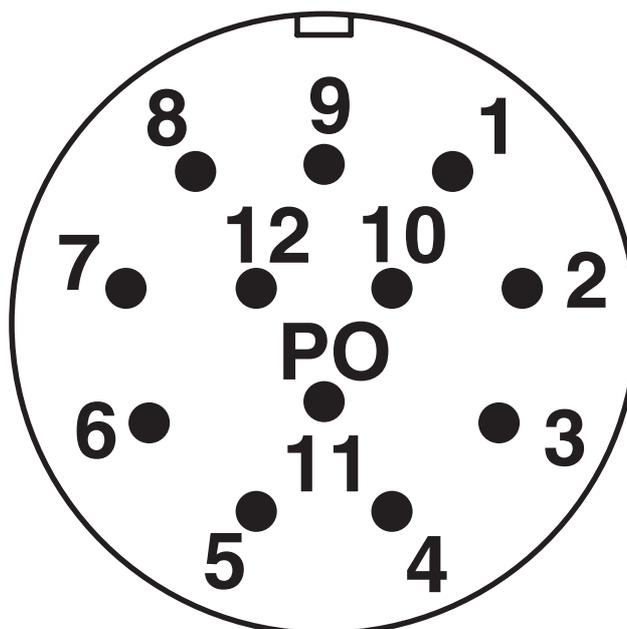
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Schematic diagram



M12 slot, socket, 4-pos.

Schematic diagram



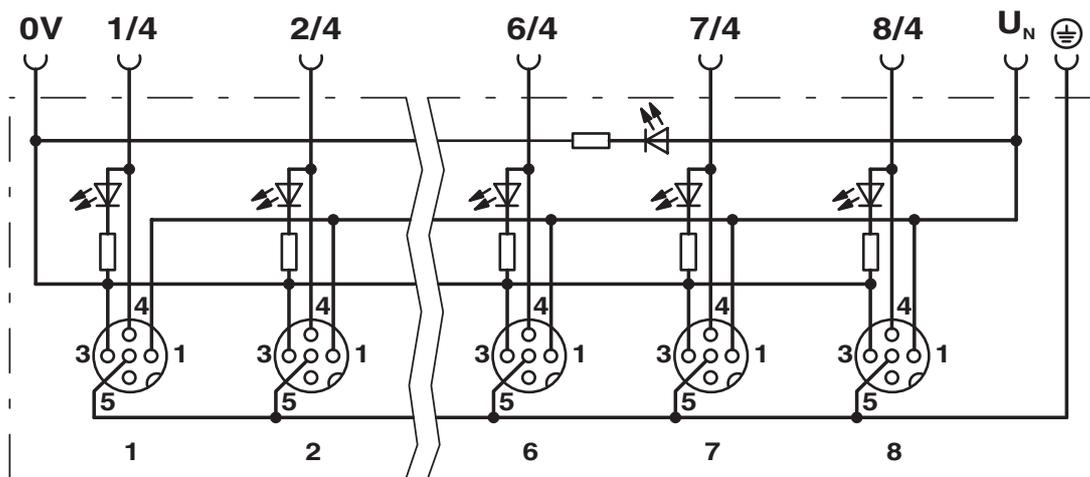
M23 plug connection pin, 12-pos.

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Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1692404>

 cUL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	24 V	-	22 - 16	-

 UL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	24 V	-	22 - 16	-

cULus Recognized

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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC003558
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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

RCK-TGUM/BL12/ 5,0PUR-U - Master cable

1684014

<https://www.phoenixcontact.com/us/products/1684014>



Master cable, application: Sensor/actuator box, connection method: M12 socket Plastic, number of positions: 12, slot assignment: single, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 5 m, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1260770

RCK-TGUM/BL12/10,0PUR-U - Master cable

1684027

<https://www.phoenixcontact.com/us/products/1684027>



Master cable, application: Sensor/actuator box, connection method: M12 socket Plastic, number of positions: 12, slot assignment: single, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 10 m, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1260769

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RCK-TWUM/BL12/ 5,0PUR-U - Master cable

1684030

<https://www.phoenixcontact.com/us/products/1684030>



Master cable, application: Sensor/actuator box, connection method: M12 socket Plastic, number of positions: 12, slot assignment: single, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 5 m, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1260757

RCK-TWUM/BL12/10,0PUR-U - Master cable

1684043

<https://www.phoenixcontact.com/us/products/1684043>



Master cable, application: Sensor/actuator box, connection method: M12 socket Plastic, number of positions: 12, slot assignment: single, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 10 m, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1260755

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V-RC/TGUM 11/KVD 11/LBL 12 - Cable connector

1000041

<https://www.phoenixcontact.com/us/products/1000041>



Cable connector, number of positions: 12, status display: No; master cable connection: M23 screw locking, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1237970

V-RC/TWUM 11/KVD 11/LBL 12 - Cable connector

1000043

<https://www.phoenixcontact.com/us/products/1000043>



Cable connector, number of positions: 12, status display: No; master cable connection: M23 screw locking, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1237972

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RC-T 12/1BU2ST - Distributor

1685107

<https://www.phoenixcontact.com/us/products/1685107>

Distributor



CA-12S1N8A8007 - Cable connector

1619708

<https://www.phoenixcontact.com/us/products/1619708>



M23, Cable connector, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 6 mm ... 10 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1243760

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CA-12S1N8A8008 - Cable connector

1619645

<https://www.phoenixcontact.com/us/products/1619645>



M23, Cable connector, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 10 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1243734

MSK 1 - Metal protective cap

1665897

<https://www.phoenixcontact.com/us/products/1665897>



Metal protective cap, degree of protection: IP67, when in locked state, color: silver, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245640

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MSK 2 - Protective cap

1665907

<https://www.phoenixcontact.com/us/products/1665907>

Protective cap, degree of protection: IP67, when in locked state, color: silver,
Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%)
item no.: 1245641



KSK 1 - Sealing cap

1685013

<https://www.phoenixcontact.com/us/products/1685013>

Plastic sealing cap, for unoccupied M23 connectors



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PROT-M12 - Screw plug

1680539

<https://www.phoenixcontact.com/us/products/1680539>



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

ZBN 18:UNBEDRUCKT - Zack marker strip

2809128

<https://www.phoenixcontact.com/us/products/2809128>



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

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PLUSCON-RCS - Pipe spanner

1665062

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Pipe spanner

TSD 04 SAC - Torque screwdriver

1208429

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

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SAC BIT M12-D15 - Tool

1208432

<https://www.phoenixcontact.com/us/products/1208432>



Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive

SACC BIT M12-D20 - Tool

1208445

<https://www.phoenixcontact.com/us/products/1208445>



Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

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