

SACB-8/ 8-L-M23 - Distributor box

1692446

<https://www.phoenixcontact.com/us/products/1692446>



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Distributor box, application: Standard, connection method: M12 socket Plastic, number of slots: 8, 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	1692446
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF41
Product key	BF3CBB
Catalog page	Page 114 (PC-2009)
GTIN	4017918177904
Weight per piece (including packing)	153.9 g
Weight per piece (excluding packing)	135 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Assembly note	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.
Note on application	Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories".

Product properties

Product type	Distributor box
Application	Standard
Number of positions	4
Number of slots	8
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	12 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	4 A

Connection data

Conductor connection	
Sensor/actuator connection system	M12 socket
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
	5 / 4 (A) = 5
	6 / 4 (A) = 6

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$7 / 4 (A) = 7$
$8 / 4 (A) = 8$
$1-8 / 1 (+ 24 V) = 11$
$1-8 / 3 (0 V) = 9+10$
$1-8 / 5 (PE) = 12$

Signaling

Status display present Yes

Dimensions

Dimensional drawing

Width	54 mm
Height	26 mm
Length	155 mm

Material specifications

Material Threaded sleeve	PA
Material Housing	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

Cable/line

Connection method M23 plug connection

Environmental and real-life conditions

Ambient conditions

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

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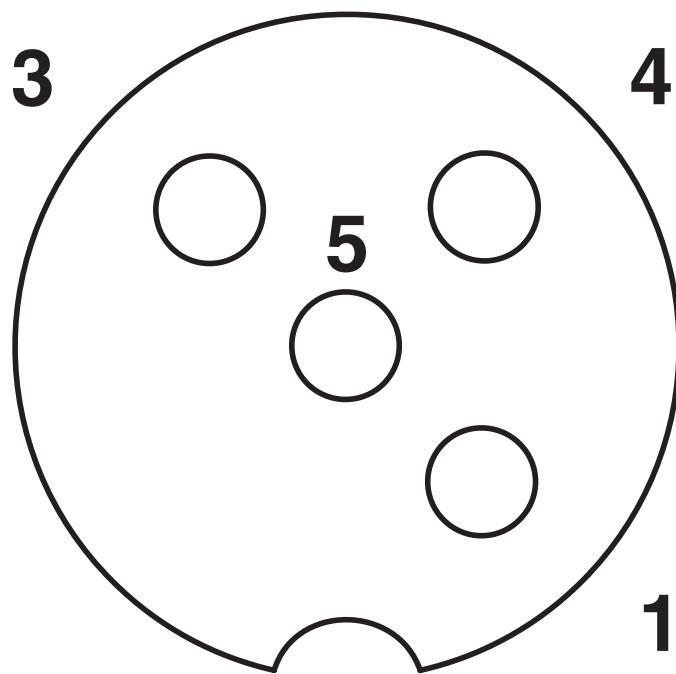
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Drawings

Schematic diagram



M12 slot, socket, 4-pos.

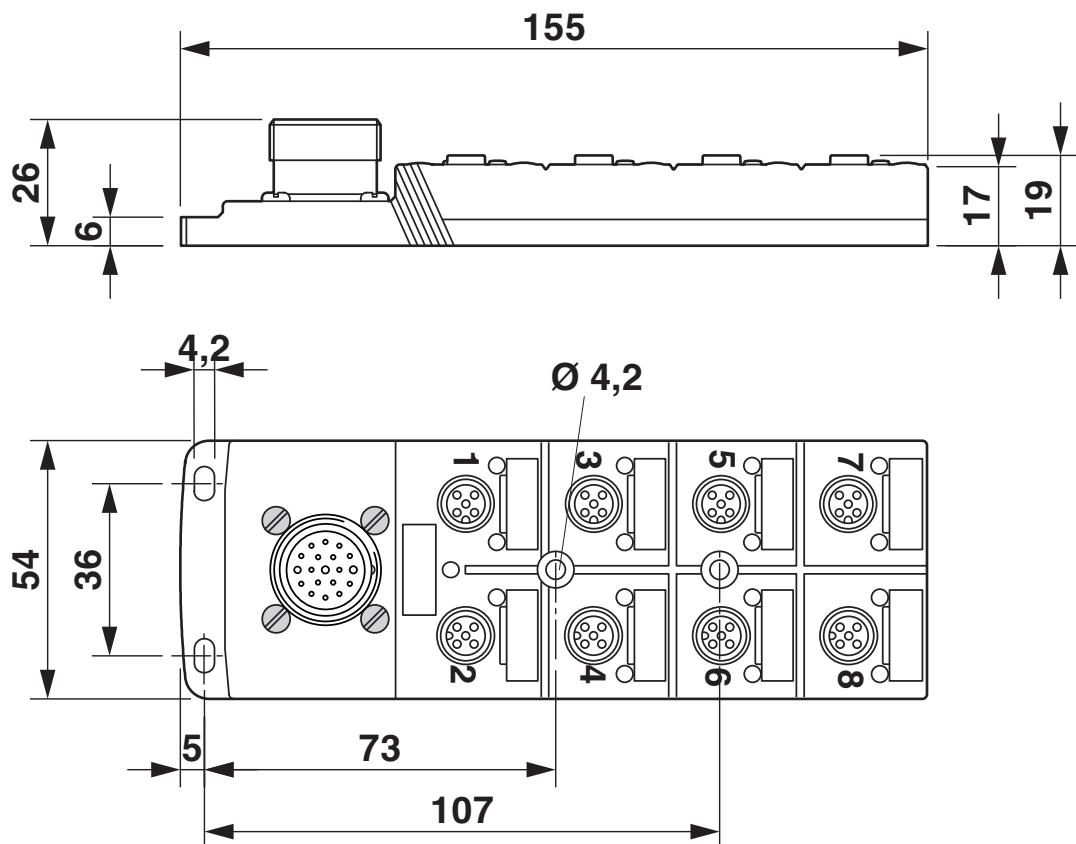
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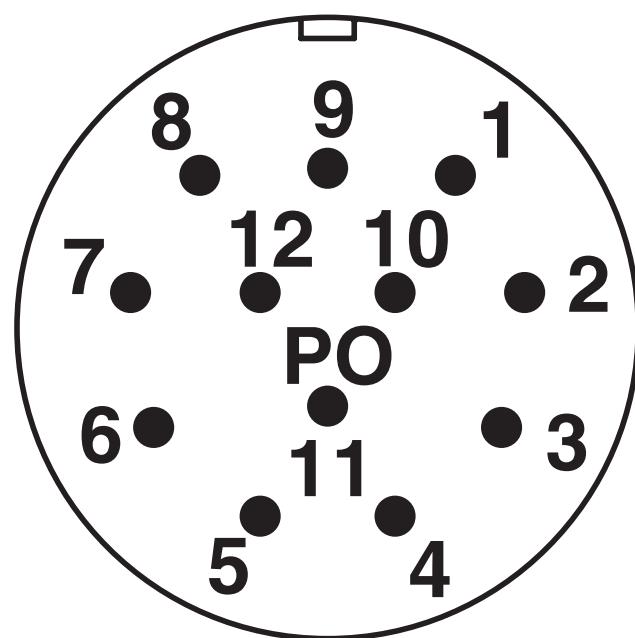
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Dimensional drawing



Schematic diagram



M23 plug connection pin, 12-pos.

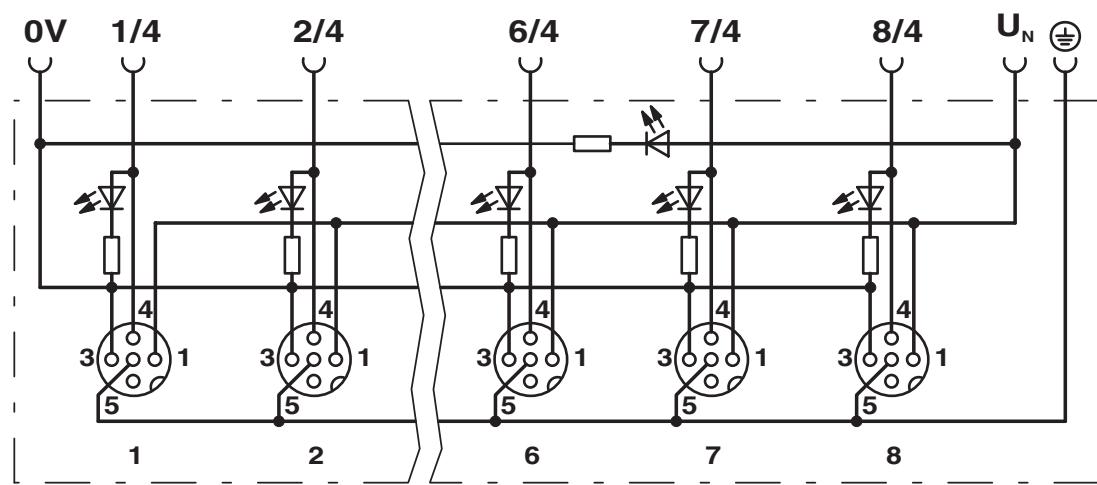
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Circuit diagram



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Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1692446>

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	-

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cULus Recognized

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC003558
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UNSPSC

UNSPSC 21.0	31251500
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	26aa4560-d10c-4852-bb2f-587d402a2230

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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



KS1 - 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

<https://www.phoenixcontact.com/us/products/1208429>

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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