

# SACB-8/ 8-L-M23 180 - Distributor box



1692718

<https://www.phoenixcontact.com/us/products/1692718>

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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 180°, 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	1692718
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF41
Product key	BF3CBB
Catalog page	Page 114 (PC-2009)
GTIN	4017918177782
Weight per piece (including packing)	165.2 g
Weight per piece (excluding packing)	145.4 g
Customs tariff number	85366990
Country of origin	DE

## Technical data

### Notes

Assembly note	<b>NOTE:</b> 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
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## Dimensions

Dimensional drawing	
Width	54 mm
Height	34 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
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## Environmental and real-life conditions

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

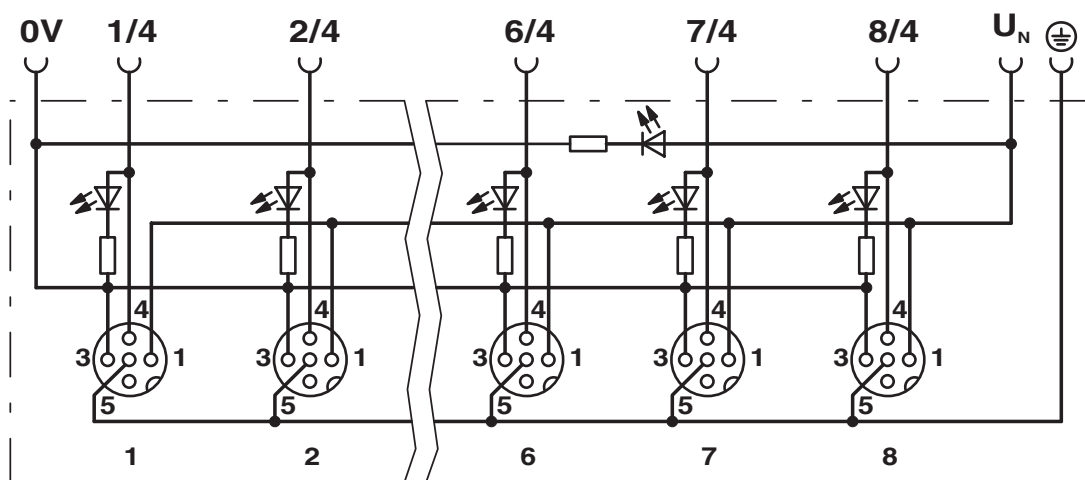
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## Drawings

Circuit diagram

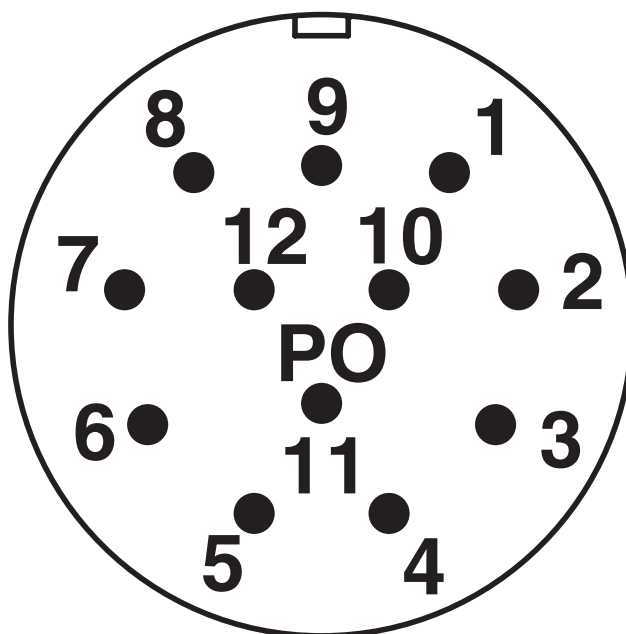


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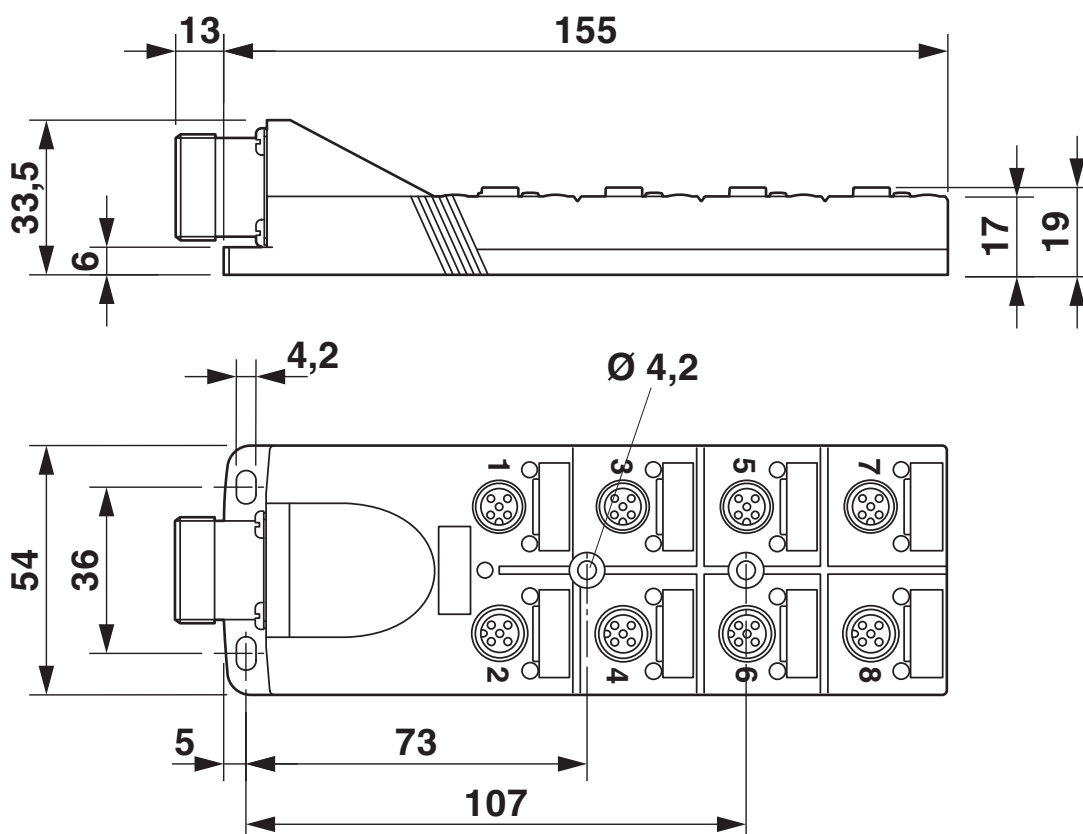
<https://www.phoenixcontact.com/us/products/1692718>

Schematic diagram



M23 plug connection pin, 12-pos.

Dimensional drawing



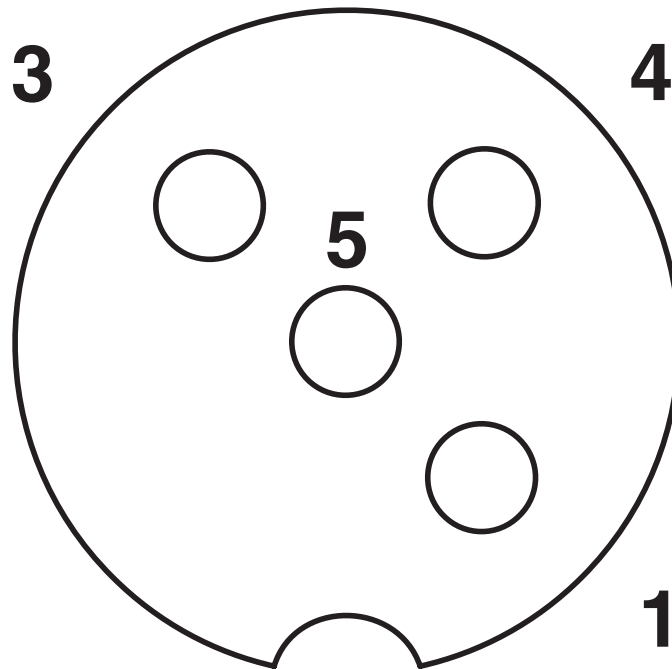
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Schematic diagram



M12 slot, socket, 4-pos.

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1692718>

 <b>cUL Recognized</b> Approval ID: E118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	24 V	-	22 - 16	-

 <b>UL Recognized</b> Approval ID: E118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	24 V	-	22 - 16	-

<b>cULus Recognized</b>				
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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	a7b9757d-1f4c-4f49-a94a-fed79b43b132

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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, 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

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

1684027

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



Master cable, application: Sensor/actuator box, 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, 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

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

1684043

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



Master cable, application: Sensor/actuator box, 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

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## 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



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## 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

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## 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



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### KSK 1 - Sealing cap

1685013

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

Plastic sealing cap, for unoccupied M23 connectors



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<https://www.phoenixcontact.com/us/products/1692718>



### 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

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### 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

<https://www.phoenixcontact.com/us/products/1665062>



Pipe spanner

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## 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

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## 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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