

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	AF3CBB
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

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Technical data

Notes

Assembly note	NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce 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

Connection 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
Ambient temperature (operation)	-20 °C ... 75 °C

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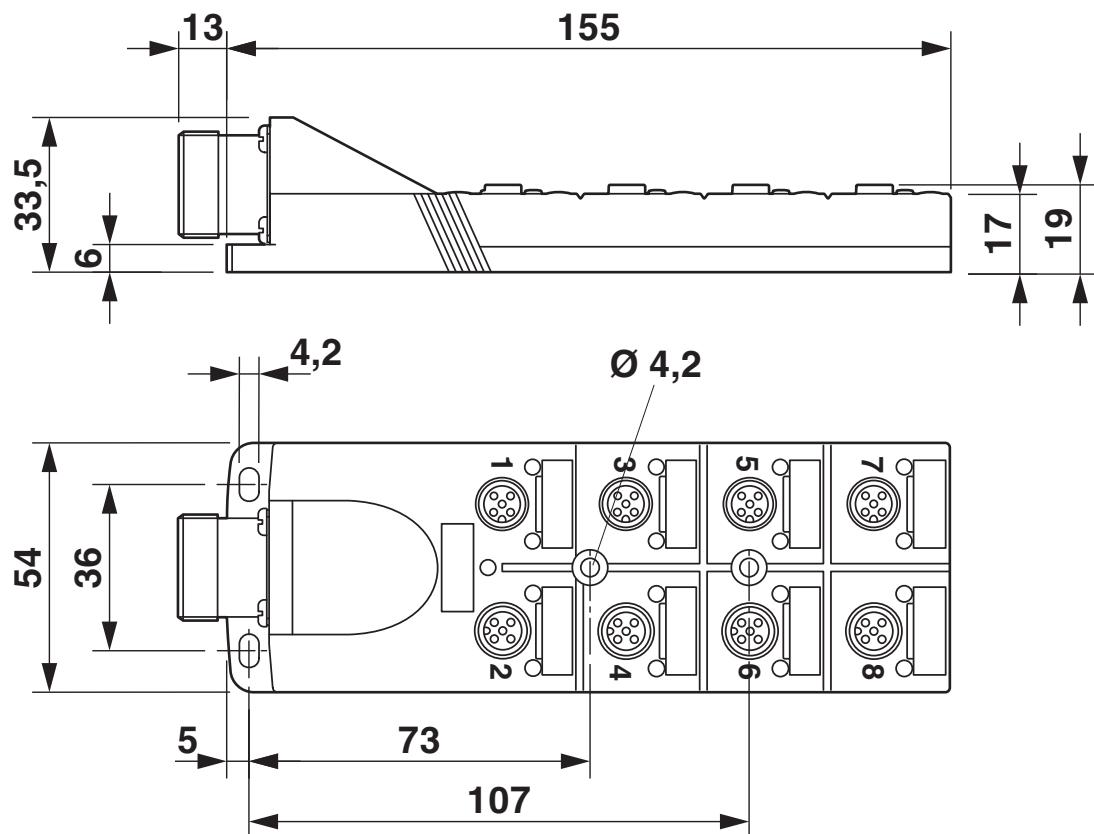
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Drawings

Dimensional drawing



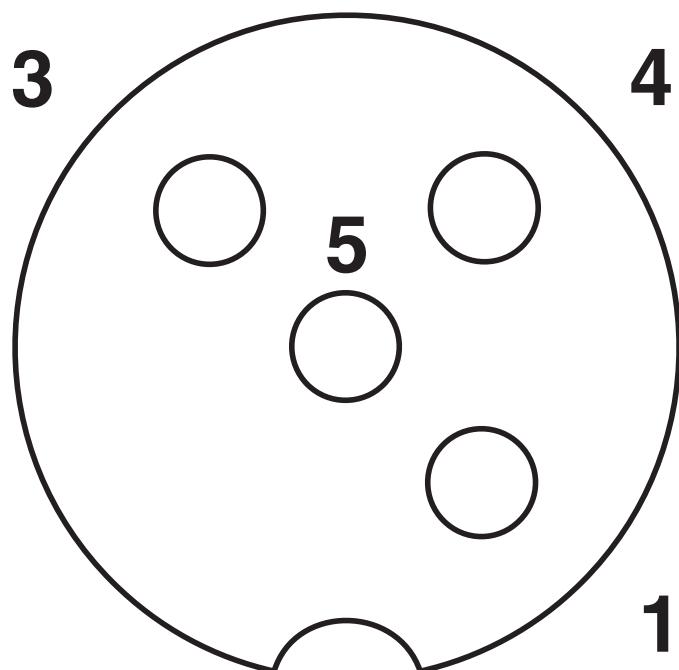
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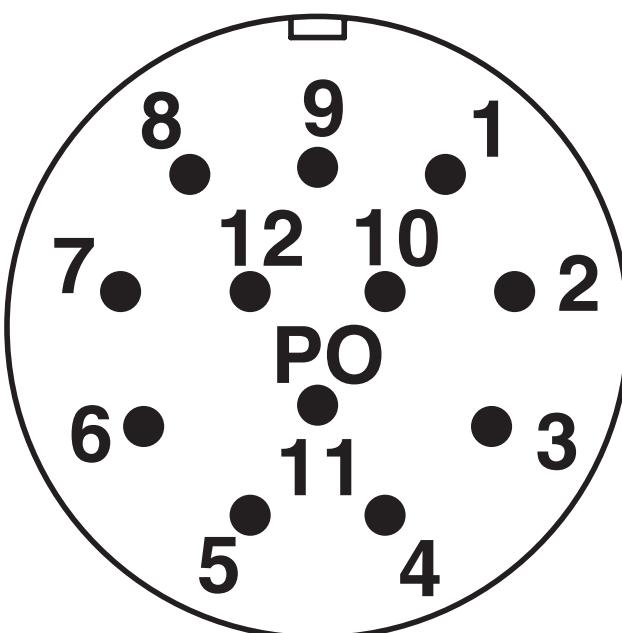


Schematic diagram



M12 slot, socket, 4-pos.

Schematic diagram



M23 plug connection pin, 12-pos.

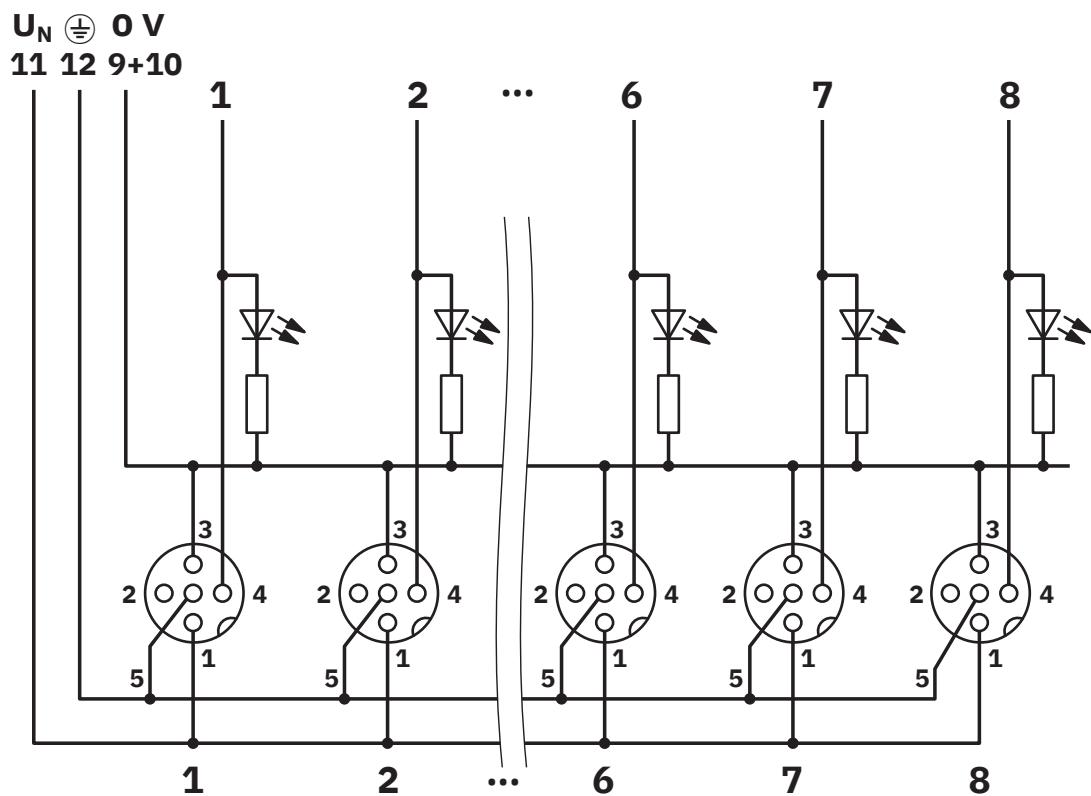
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Circuit diagram



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Approvals

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

cUL Recognized		Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine		24 V	-	22 - 16	-

UL Recognized		Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine		24 V	-	22 - 16	-

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Classifications

ECLASS

ECLASS-13.0	27440111
ECLASS-15.0	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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