

SACB-6/12-M23 180 - Distributor box



1692763

<https://www.phoenixcontact.com/pc/products/1692763>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Distributor box, application: Standard, connection method: M12 socket Plastic, number of slots: 6, number of positions: 5, coding: A, slot assignment: Double, status display: No, Universal; master cable connection: M23 plug connection 180°, shielding: no

Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Save space: distributor box with double occupancy for two sensors in one slot

Commercial data

Item number	1692763
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	02
Product key	BF3CBB
Catalog page	Page 114 (PC-2009)
GTIN	4017918177836
Weight per piece (including packing)	148 g
Weight per piece (excluding packing)	131 g
Customs tariff number	85366990
Country of origin	DE

SACB-6/12-M23 180 - Distributor box



1692763

<https://www.phoenixcontact.com/pc/products/1692763>

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 box
Application	Standard
Number of positions	5
Number of slots	6
Coding	A
LED	No

Electrical properties

Max. operating voltage U_{max}	135 V
Nominal voltage U_N	120 V AC
	120 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) = 15
	1 / 2 (B) = 7
	2 / 4 (A) = 5
	2 / 2 (B) = 4
	3 / 4 (A) = 16
	3 / 2 (B) = 8
	4 / 4 (A) = 3
	4 / 2 (B) = 14
	5 / 4 (A) = 17
	5 / 2 (B) = 9
	6 / 4 (A) = 2
	6 / 2 (B) = 13

SACB-6/12-M23 180 - Distributor box



1692763

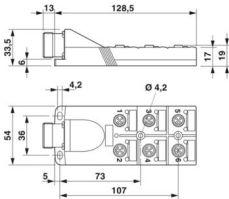
<https://www.phoenixcontact.com/pc/products/1692763>

	1-6 / 1 (+ 120 V) = 19
	1-6 / 3 (0 V) = 6
	1-6 / 5 (PE) = 12

Signaling

Status display present	No
------------------------	----

Dimensions

Dimensional drawing	
Width	54 mm
Height	34 mm
Length	129 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 the contact carrier on the master cable side	PA
Material of contact surface, master cable side	gold-plated

Cable/line

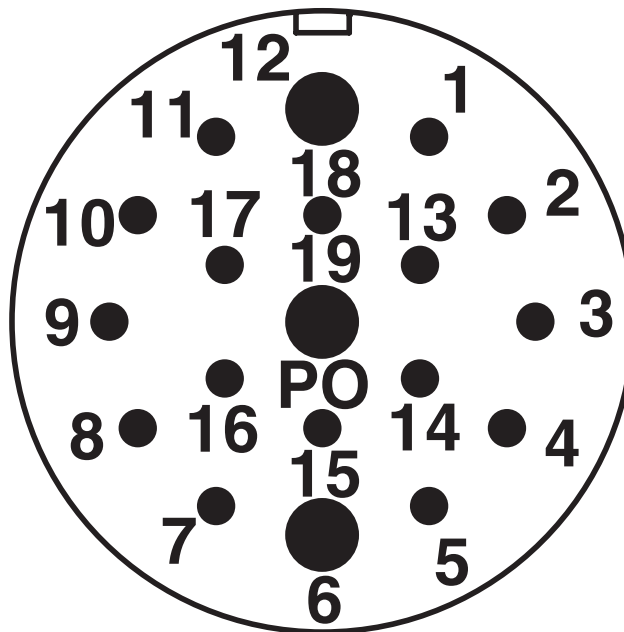
Connection method	M23 plug connection
-------------------	---------------------

Environmental and real-life conditions

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

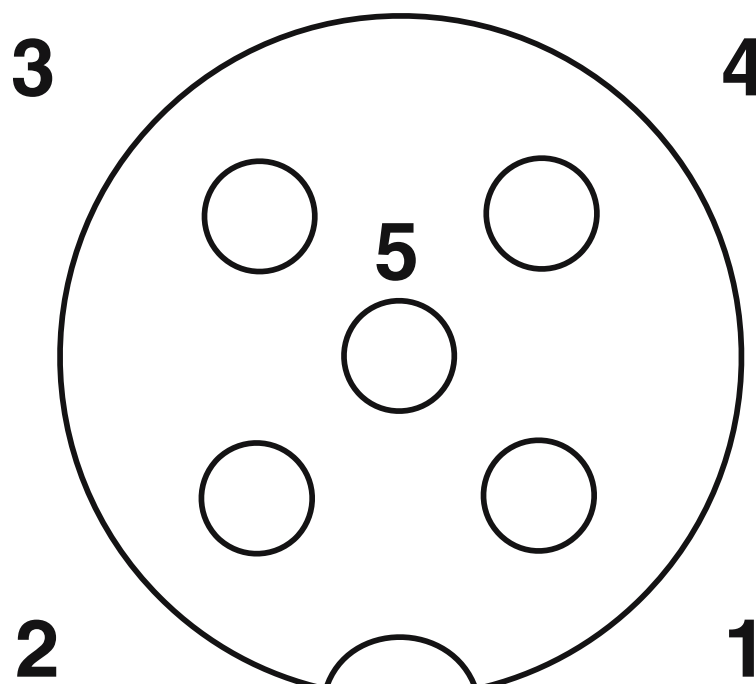
Drawings

Schematic diagram



M23 plug connection pin, 19-pos.

Schematic diagram



M12 slot, socket, 5-pos.

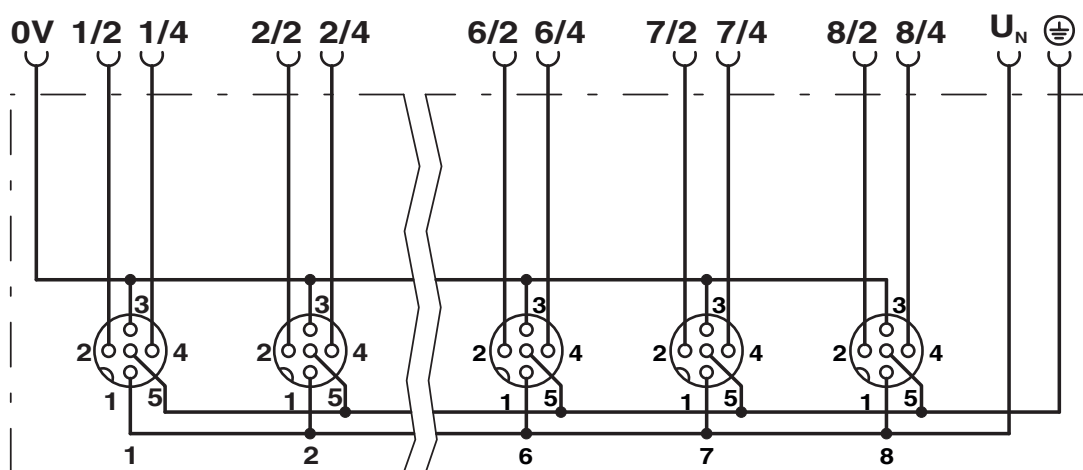
SACB-6/12-M23 180 - Distributor box



1692763

<https://www.phoenixcontact.com/pc/products/1692763>

Circuit diagram



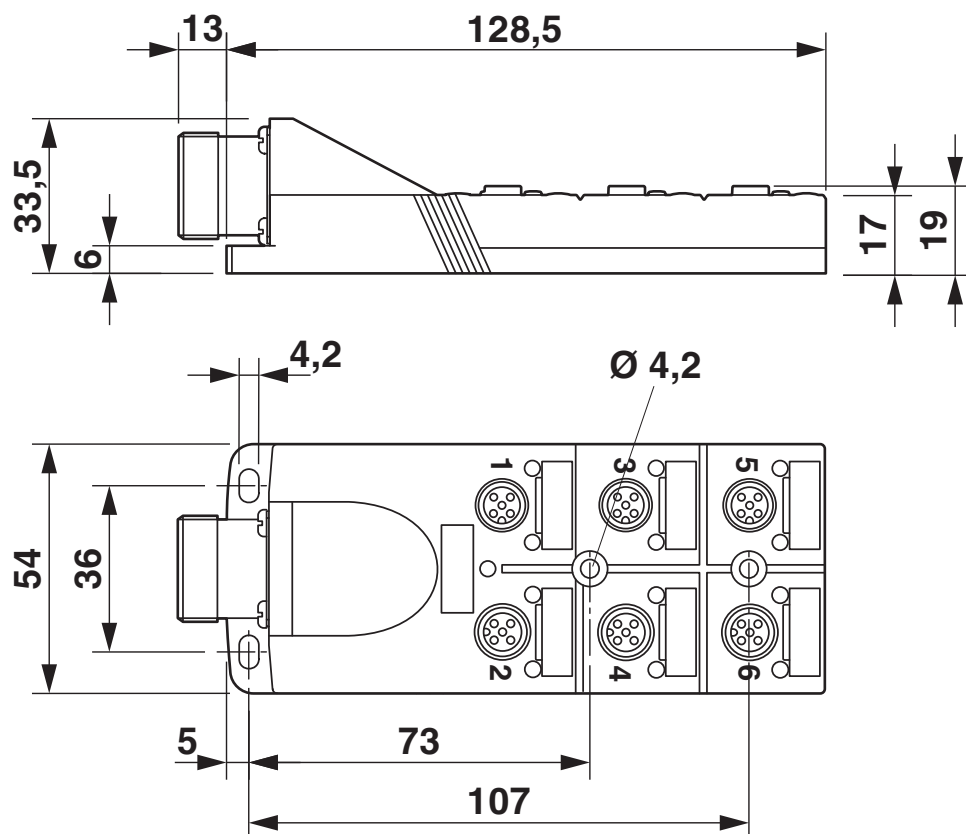
SACB-6/12-M23 180 - Distributor box



1692763

<https://www.phoenixcontact.com/pc/products/1692763>

Dimensional drawing



SACB-6/12-M23 180 - Distributor box



1692763

<https://www.phoenixcontact.com/pc/products/1692763>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1692763>

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

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

	EAC
	Approval ID: RU C-DE.BL08.B.00511

cULus Recognized

SACB-6/12-M23 180 - Distributor box



1692763

<https://www.phoenixcontact.com/pc/products/1692763>

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC003558
----------	----------

UNSPSC

UNSPSC 21.0	31251500
-------------	----------

SACB-6/12-M23 180 - Distributor box



1692763

<https://www.phoenixcontact.com/pc/products/1692763>

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"

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com