SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

Distributor box, application: Standard, connection method: M12 socket Metal, number of slots: 8, number of positions: 5, coding: A, slot assignment: Double, status display: No, Universal; master cable connection: M23 plug connection 180°, shielding: yes

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

• Reliable signal transmission – 360° shielding in environments with electromagnetic interference

Commercial data

Item number	1155996
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF43
Product key	BF3CDB
GTIN	4063151158835
Weight per piece (including packing)	603.5 g
Weight per piece (excluding packing)	554 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Note on application	Not suitable for M12 push-pull connectors.
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	5
Number of slots	8
Coding	A

Data management status	
Article revision	00

Electrical properties

Nominal voltage U_N	48 V AC
	60 V DC
Rated current, total	10 A (up to 40 °C)
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
7 / 4 (A) = 11
7 / 2 (B) = 10
8 / 4 (A) = 1
8 / 2 (B) = 18
1-8 / 1 (+ 48 V) = 19
1-8 / 3 (0 V) = 6
1-8 / 5 (PE) = 12

Signaling

Status display present	No

Dimensions

Dimensional drawing	
Width	58 mm
Height	36 mm
Length	160 mm

Material specifications

Material Threaded sleeve	Die-cast zinc
Material Housing	Die-cast zinc
Material Molding compound	PUR
Flammability rating according to UL 94	V0
Seal material O-ring	FKM
Contact material	Cu alloy
Contact surface material	gold-plated
Contact carrier material	PA
Material of contact, master cable side	CU alloy
Material of the contact carrier on the master cable side	PBT
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
Ambient temperature (operation)	-25 °C ... 70 °C

Standards and regulations

M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996
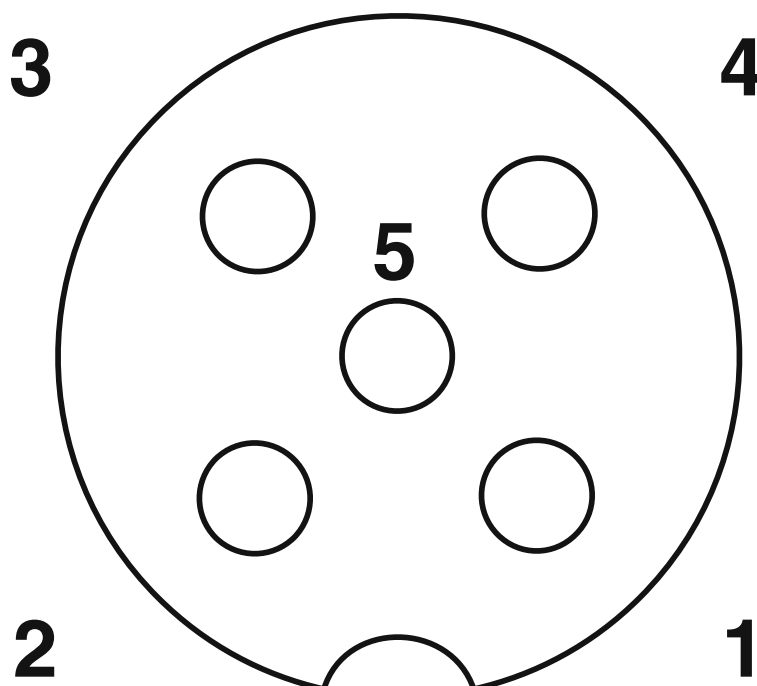
Drawings

Schematic diagram
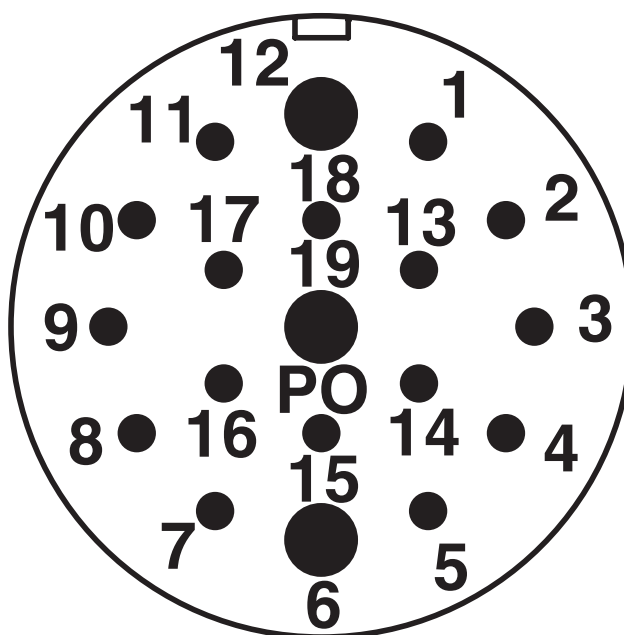
M23 plug connection pin, 19-pos.

Schematic diagram

M12 slot, socket, 5-pos.
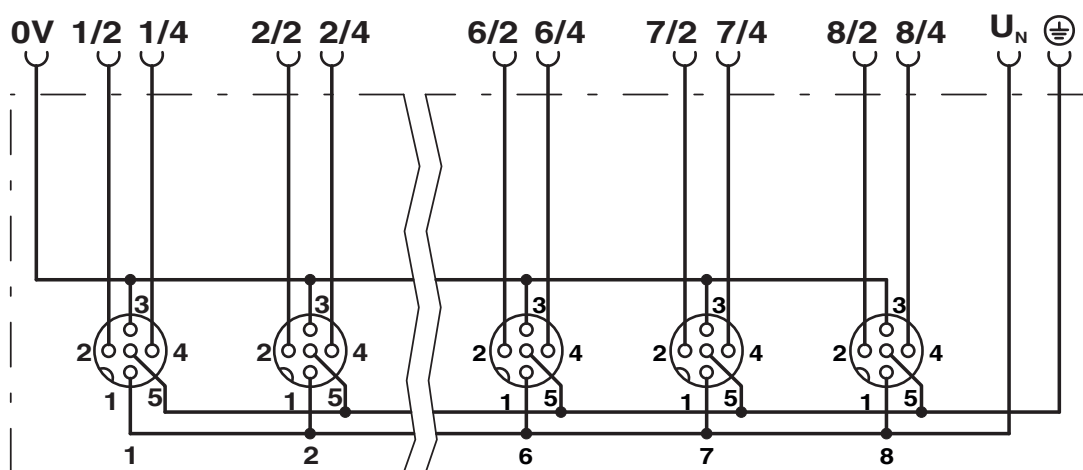
SACB-8/16-M23 P12 SH - Distributor box
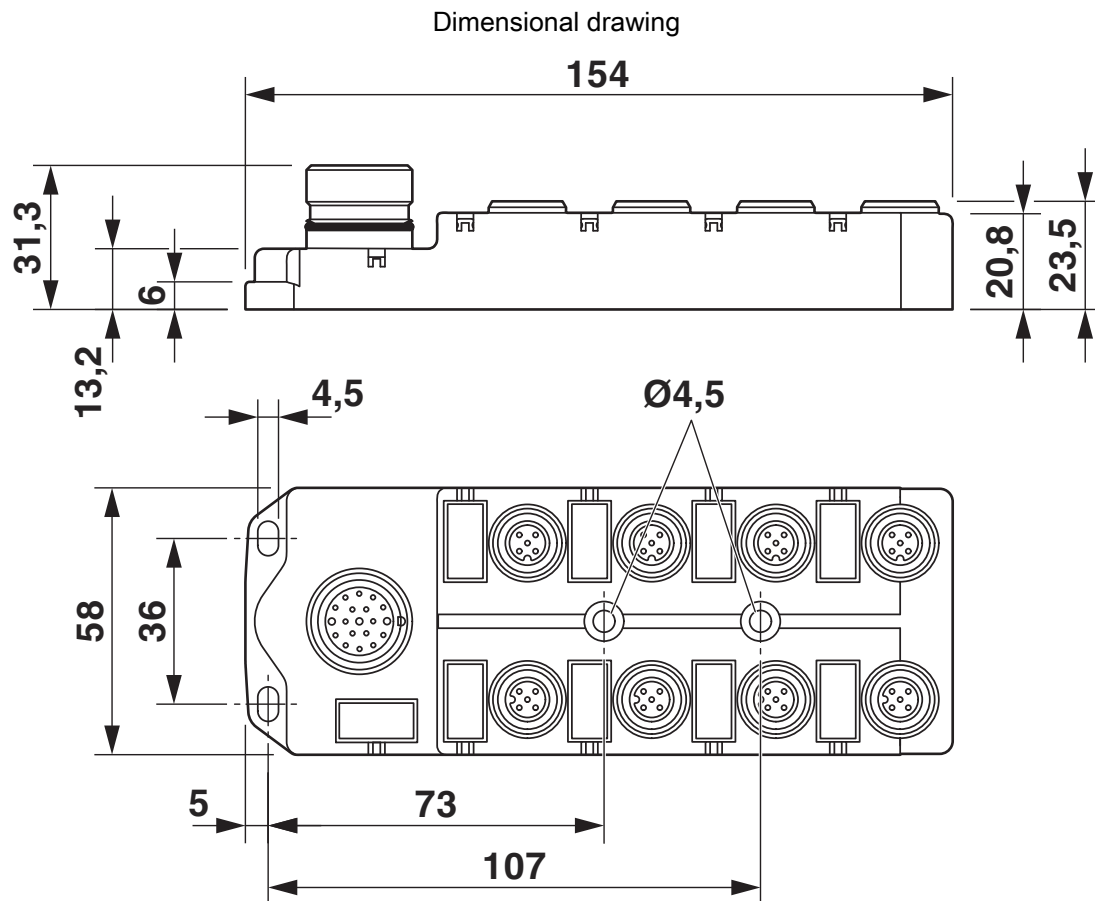
Dimensional drawing

SACB-8/16-M23 P12 SH - Distributor box

Circuit diagram

1155996

https://www.phoenixcontact.com/us/products/1155996

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC003558

UNSPSC

UNSPSC 21.0	31251500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a)

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	4f91e7b3-4fb4-40fa-940b-2eecd8c39f4f

SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

Accessories

PROT M12 MS PWR - Screw plug

1092802

https://www.phoenixcontact.com/us/products/1092802

An M12 screw plug for the unoccupied M12 females of the M12 POWER connectors, boxes, and flush-type connectors

UC-EM (17,5X9) - Snap-in markers

0827490

https://www.phoenixcontact.com/us/products/0827490

Snap-in markers, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID, BLUEMARK ID COLOR, BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, lettering field size: 17. 5 x 9 mm, Number of individual labels: 20

SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

UC-EM (17,5X9) CUS - Snap-in markers

0828238

https://www.phoenixcontact.com/us/products/0828238

Snap-in markers, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

UCT-EM (17,5X9) - Snap-in markers

0801491

https://www.phoenixcontact.com/us/products/0801491

Snap-in markers, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 24

SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

UCT-EM (17,5X9) CUS - Snap-in markers

0801575

https://www.phoenixcontact.com/us/products/0801575

UniCard sheet, for labeling devices from other manufacturers, for overview table see download area, labeled according to customer specifications
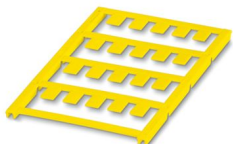
UC-EM (17,5X9) YE - Snap-in markers

0827494

https://www.phoenixcontact.com/us/products/0827494

Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 20
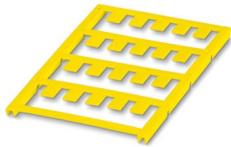
SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

UC-EM (17,5X9) YE CUS - Snap-in markers

0828239

https://www.phoenixcontact.com/us/products/0828239

Snap-in markers, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

UCT-EM (17,5X9) YE - Snap-in markers

0801492

https://www.phoenixcontact.com/us/products/0801492

Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 24

SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

UCT-EM (17,5X9) YE CUS - Snap-in markers

0801576

https://www.phoenixcontact.com/us/products/0801576

UniCard sheet, for labeling devices from other manufacturers, for overview table see download area, labeled according to customer specifications

RCK-TWGM/BL16+3/ 5,0PUR SH - Master cable

1519529

https://www.phoenixcontact.com/us/products/1519529

Master cable, application: Sensor/actuator box, number of positions: 19, slot assignment: Double, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 5 m, shielding: yes, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1260760

SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

RCK-TWGM/BL16+3/10,0PUR SH - Master cable

1511828

https://www.phoenixcontact.com/us/products/1511828

Master cable, application: Sensor/actuator box, number of positions: 19, slot assignment: Double, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 10 m, shielding: yes, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1260759

RC/TGGM/KVD/LBL 16+3 - Cable connector

1685505

https://www.phoenixcontact.com/us/products/1685505

Cable connector, number of positions: 19, status display: No; master cable connection: M23 screw locking, shielding: yes, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1245650

SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

RC/TWGM/KVD/LBL 16+3 - Cable connector

1685518

https://www.phoenixcontact.com/us/products/1685518

Cable connector, number of positions: 19, status display: No; master cable connection: M23 screw locking, shielding: yes, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1245651

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

SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

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

SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

UTA 136 - DIN rail adapter

2853996

https://www.phoenixcontact.com/us/products/2853996

Universal DIN rail adapter, for screwing on switchgear

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

SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

TSD-M 1,2NM - Torque screwdriver

1212224

https://www.phoenixcontact.com/us/products/1212224

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

TSD-M SAC-BIT ADAPTER - Adapter insert

1212600

https://www.phoenixcontact.com/us/products/1212600

Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

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

SACB-8/16-M23 P12 SH - Distributor box

1155996

https://www.phoenixcontact.com/us/products/1155996

PLUSCON-RCS - Pipe spanner

1665062

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

Pipe spanner