SACB-4/ 4-C - Distributor box

1692857

https://www.phoenixcontact.com/us/products/1692857

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Distributor box, connection method: M12 socket Plastic, number of slots: 4, number of positions: 4, coding: A, slot assignment: single, status display: No, Universal; master cable connection: Pluggable screw connection 180°, shielding: no

Your advantages

- Safety in the field, thanks to robust housing and high degree of protection
- Flexible: distributor box with connector hood for on-site assembly

Commercial data

Item number	1692857
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	BF3CBD
Catalog page	Page 115 (PC-2009)
GTIN	4017918178048
Weight per piece (including packing)	157.5 g
Weight per piece (excluding packing)	111.5 g
Customs tariff number	85444290
Country of origin	PL

Technical data

Product properties

Product type	Distributor box
Number of positions	4
Number of slots	4
Coding	A
LED	no

Electrical properties

Max. operating voltage U_{max}	135 V
Nominal voltage U_N	120 V
Rated current, total	10 A
	2x 8 A (For electrical isolation)
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
Conductor cross section Flexible signal line	0.14 mm² ... 1.5 mm²
Conductor cross section Flexible power supply	0.14 mm² ... 1.5 mm²
Connection cross section AWG Flexible signal line	26 ... 16
Connection cross section AWG Flexible power supply	26 ... 16
Stripping length Signal line	7 mm
Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque, union nut	2.5 Nm

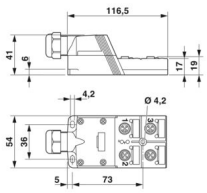
Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4
	2 / 4 (A) = 2 / 4
	3 / 4 (A) = 3 / 4
	4 / 4 (A) = 4 / 4
	1-4 / 1 (+ 24 V) = U_N
	1-4 / 3 (0 V) = 0 V
	1-4 / 5 (PE) = PE

Signaling

Status display present	No

Dimensions

Dimensional drawing	
Width	54 mm
Height	41 mm
Length	116.5 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 6.6 V0
Material of contact surface, master cable side	Sn

Cable/line

External cable diameter	7 mm ... 12 mm
Connection method	Pluggable screw connection

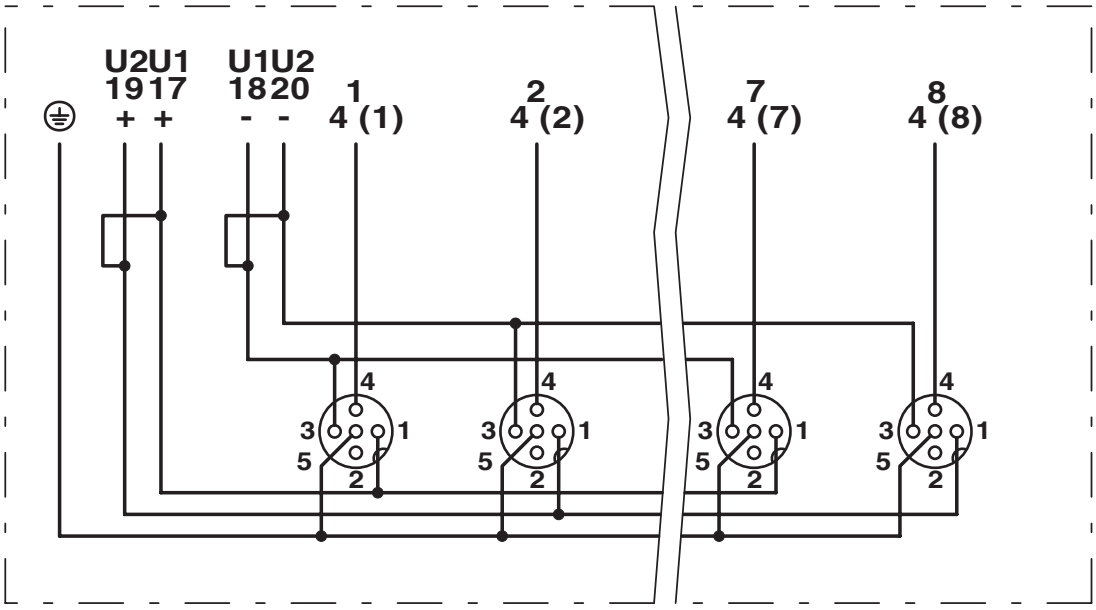
Environmental and real-life conditions

Ambient conditions

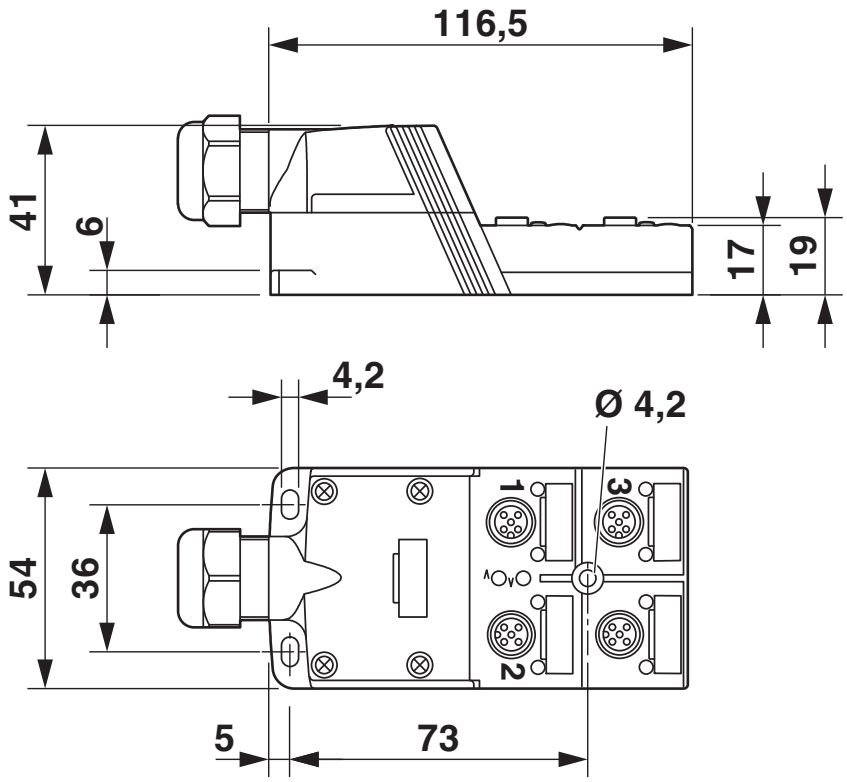
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 75 °C

Drawings

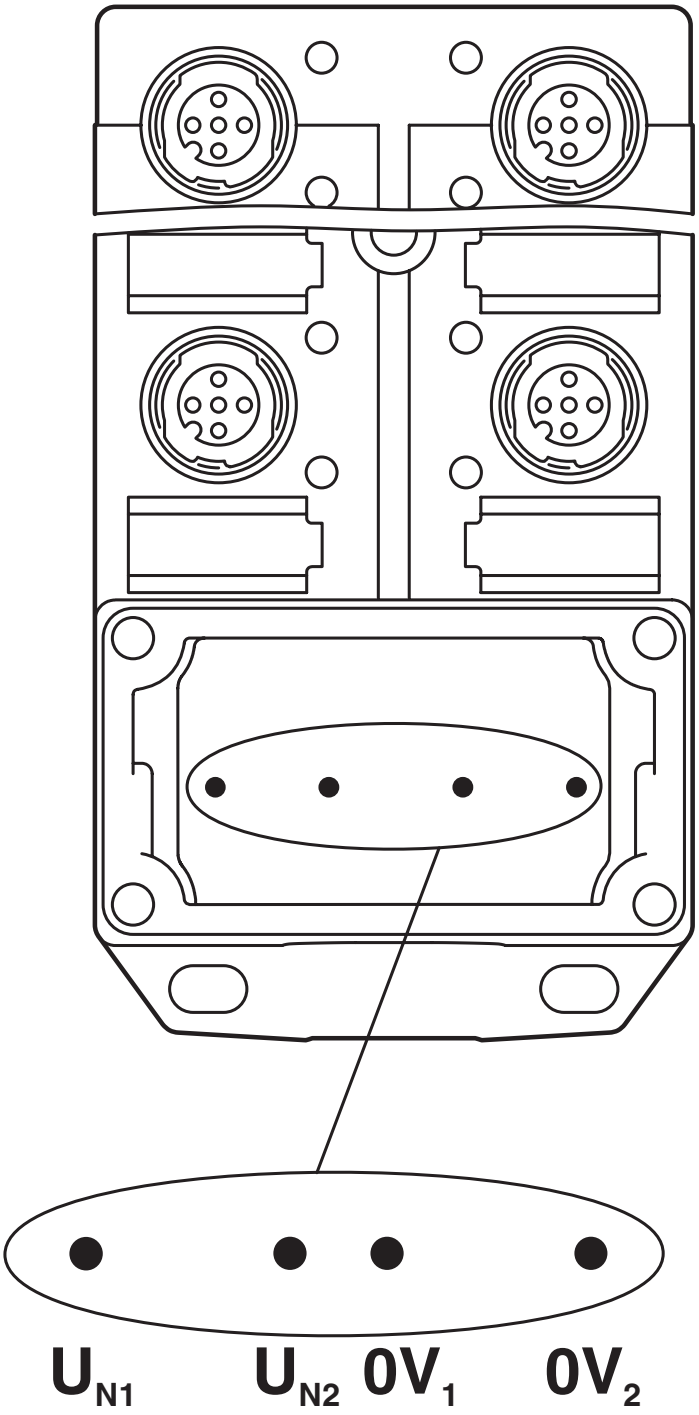
Circuit diagram



Dimensional drawing

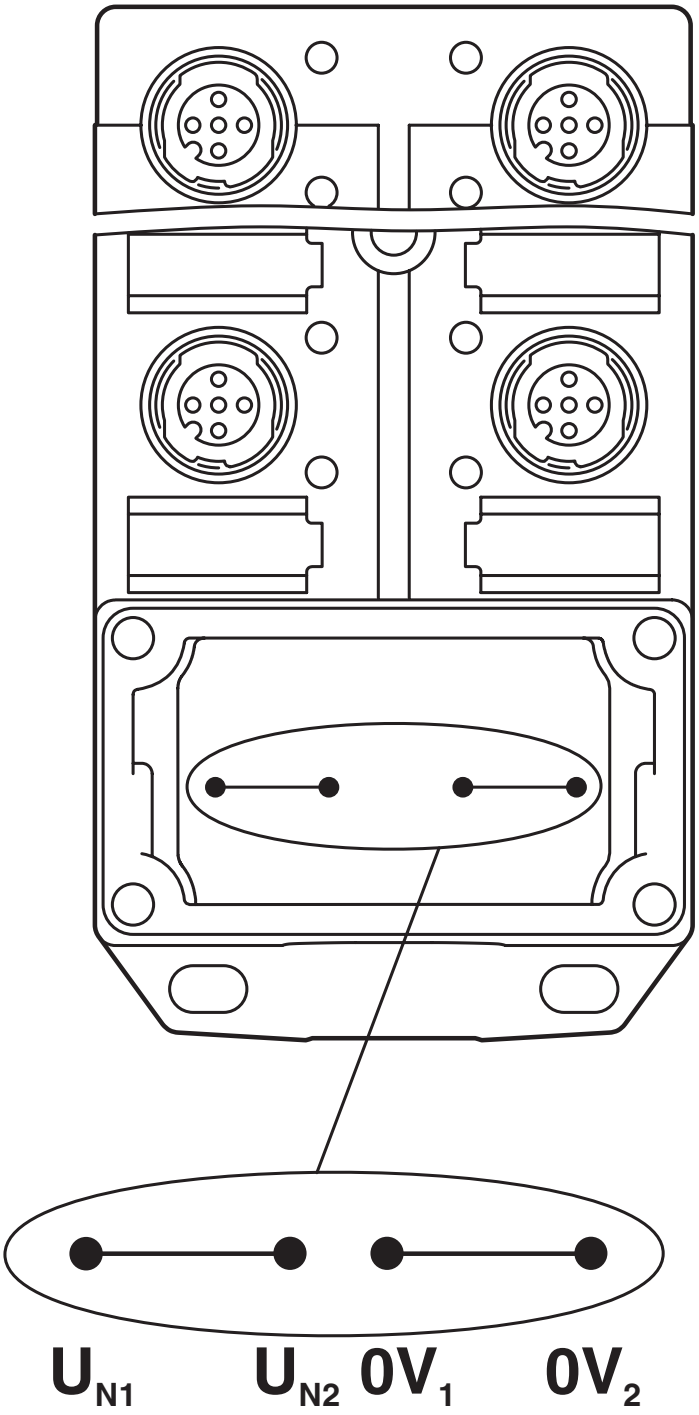


Schematic diagram



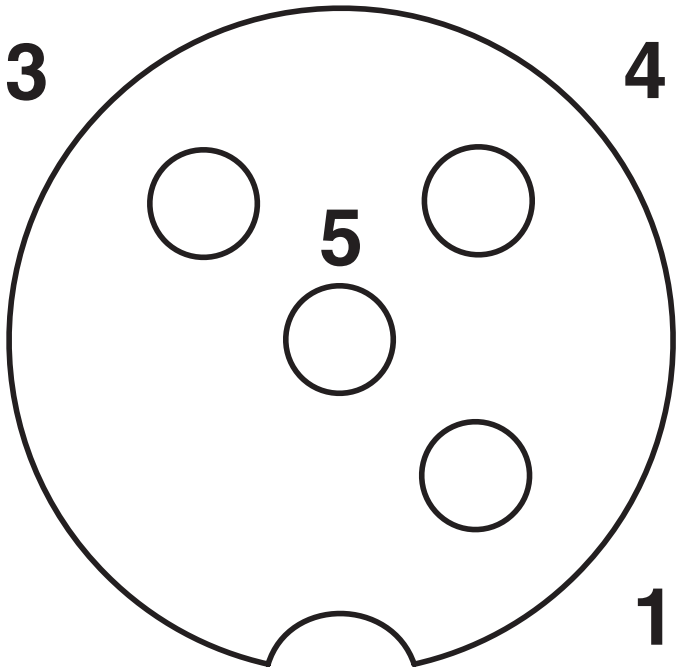
Electrically isolated. Potential assignment: U_{N1} = slots 1,3 and U_{N2} = slots 2,4.

Schematic diagram



Potential U_{N1} and U_{N2} bridged. Potential assignment: U_{N1} = U_{N2} = slots 1,2,3,4.

Schematic diagram



M12 slot, socket, 4-pos.

Classifications

ECLASS

ECLASS-11.0	27440111
ECLASS-13.0	27440111

Accessories

SACB-C-H180 8/16 - Connector hood

1695977

https://www.phoenixcontact.com/us/products/1695977

Connector hood with integrated connector, for M12 sensor/actuator boxes with plastic thread and plug-in screw connection, for 4, 6 or 8 slots

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

SACB- 4X0,34/ 3X0,75-50,0 PUR - Master cable ring

1503328

https://www.phoenixcontact.com/us/products/1503328

Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 7-pos., 4 x 0.34 mm^2 and 3 x 0.75 mm^2

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

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

SZK PZ2 VDE - Screwdriver

1206463

https://www.phoenixcontact.com/us/products/1206463

Screwdriver, PZ crosshead, VDE insulated, size: PZ 2 x 100 mm, 2-component grip, with non-slip grip

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