SACB-4/ 8-L-PT P12 - Distributor box

1494172

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Marking labels are not included in the scope of delivery

Distributor box, application: Standard, connection method: M12 PUSH-PULL female connector / M12 socket, number of slots: 4, number of positions: 5, coding: A, slot assignment: Double, status display: yes, PNP; master cable connection: Push-in connection 180°, shielding: no

Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Fast, secure installation of connectors with the push-pull fast-locking system in accordance with IEC 61076-2-010
- Flexible: distributor box with connector hood for on-site assembly

Commercial data

Item number	1494172
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF41
Product key	AF3CBC
GTIN	4063151942717
Weight per piece (including packing)	198.4 g
Weight per piece (excluding packing)	198 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Notes on connection	Compatibility advantage: Thanks to the technical implementation of the push-pull dual-contour design, the distributor box can be connected using standard screw-type connectors (M12) and push-pull connectors.
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	5
Number of slots	4
Coding	A

Electrical properties

Max. operating voltage U_{max}	30 V DC
Nominal voltage U_N	24 V DC
Rated current, total	8 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 PUSH-PULL female connector
	M12 socket
Conductor cross-section Flexible signal line	0.2 mm² ... 1 mm²
Conductor cross-section Flexible power supply	0.2 mm² ... 1 mm²
Connection cross section AWG Flexible signal line	24 ... 16
Connection cross section AWG Flexible power supply	24 ... 16
Stripping length Signal line	8 mm
Stripping length Power supply	8 mm
Stripping length of the sheath	50 mm (Master cable)
Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque of mounting screw for fixing the housing	0.5 Nm
Tightening torque, union nut	5 Nm

Connection assignment

Slot/position = Wire color or connection	1 / 4 (A) = WH
	1 / 2 (B) = GYPK
	2 / 4 (A) = GN
	2 / 2 (B) = RDBU
	3 / 4 (A) = YE
	3 / 2 (B) = WHGN
	4 / 4 (A) = GY
	4 / 2 (B) = BNGN
	1-4 / 1 (+ 24 V) = BN
	1-4 / 3 (0 V) = BU
	1-4 / 5 (PE) = GNYE

Signaling

Status display present	yes

Material specifications

Material Housing	PBT
Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA

Cable/line

External cable diameter	7 mm ... 12 mm
Connection method	Push-in connection

Environmental and real-life conditions

Ambient conditions

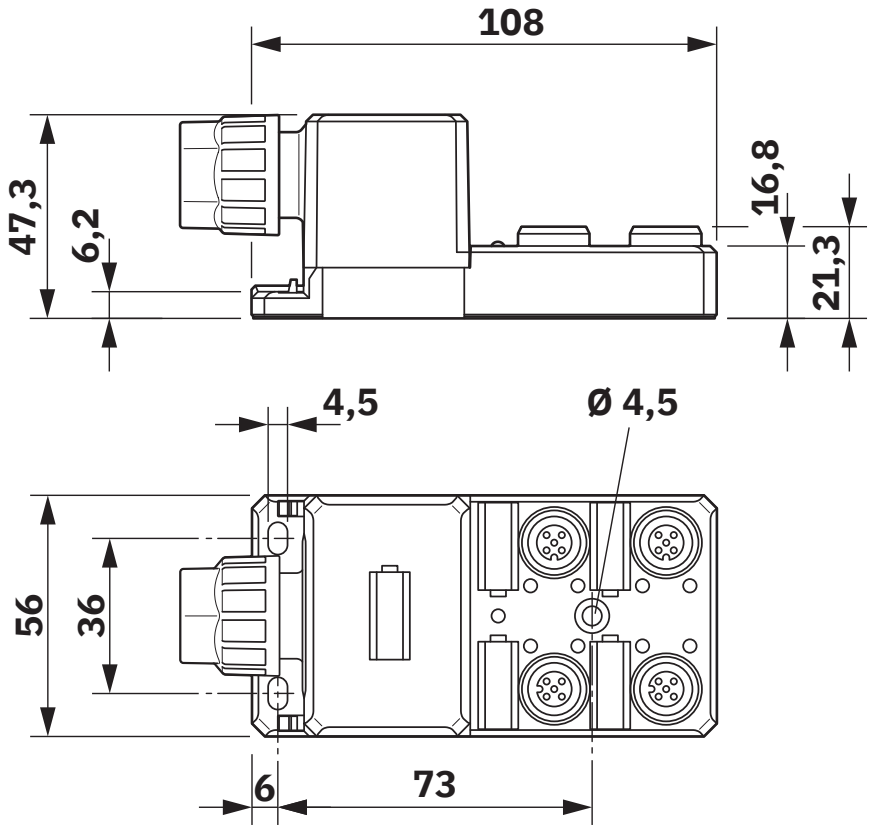
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 80 °C

Standards and regulations

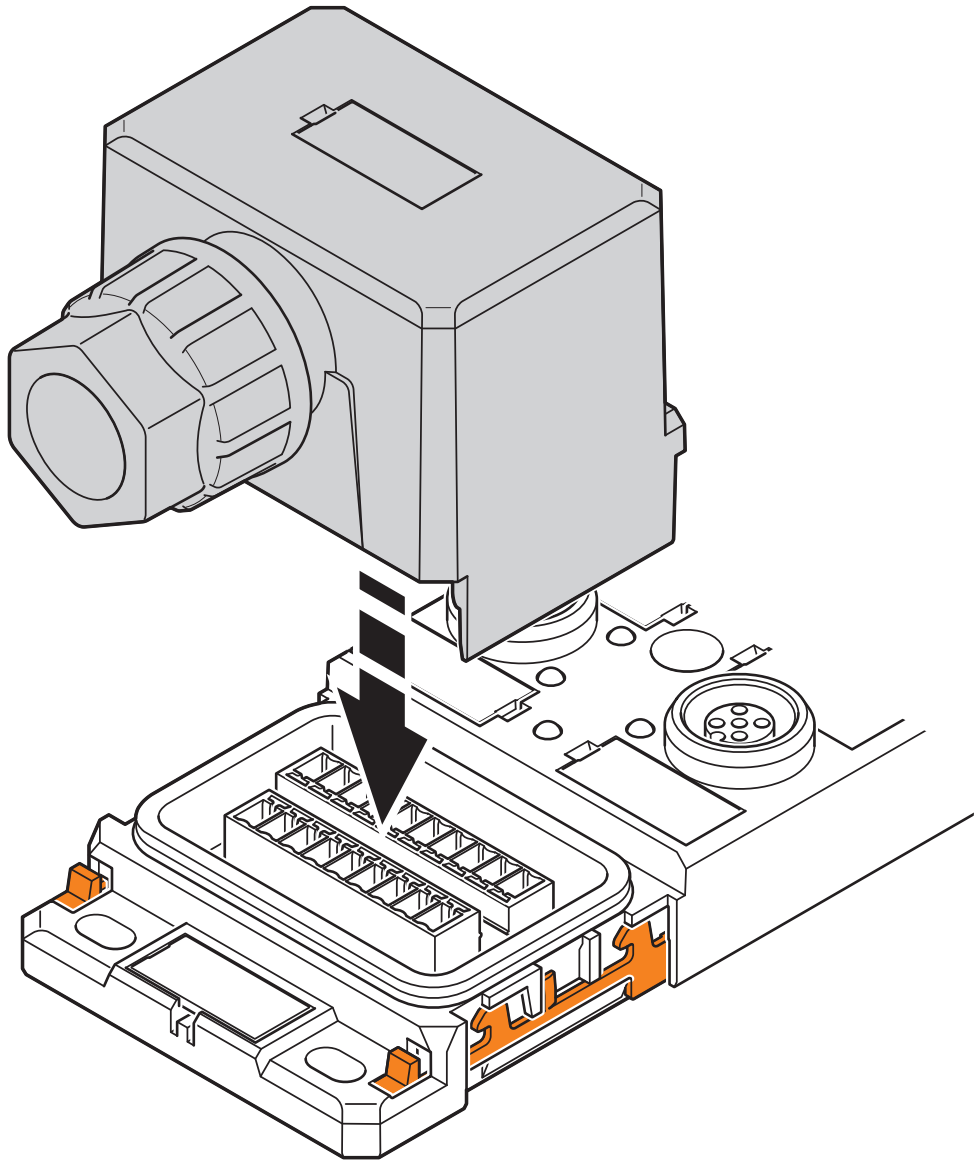
Standard designation	M12-Push-Pull
Standards/specifications	IEC 61076-2-010

Drawings

Dimensional drawing

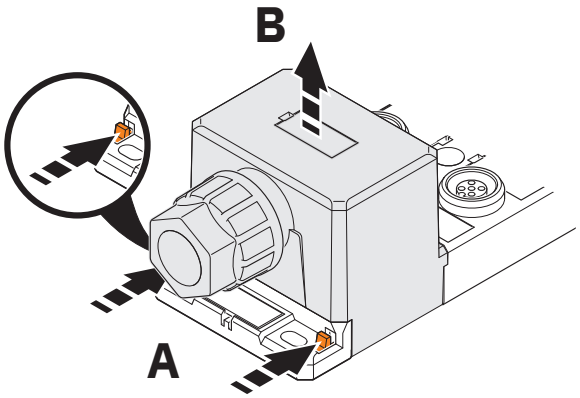


Schematic diagram



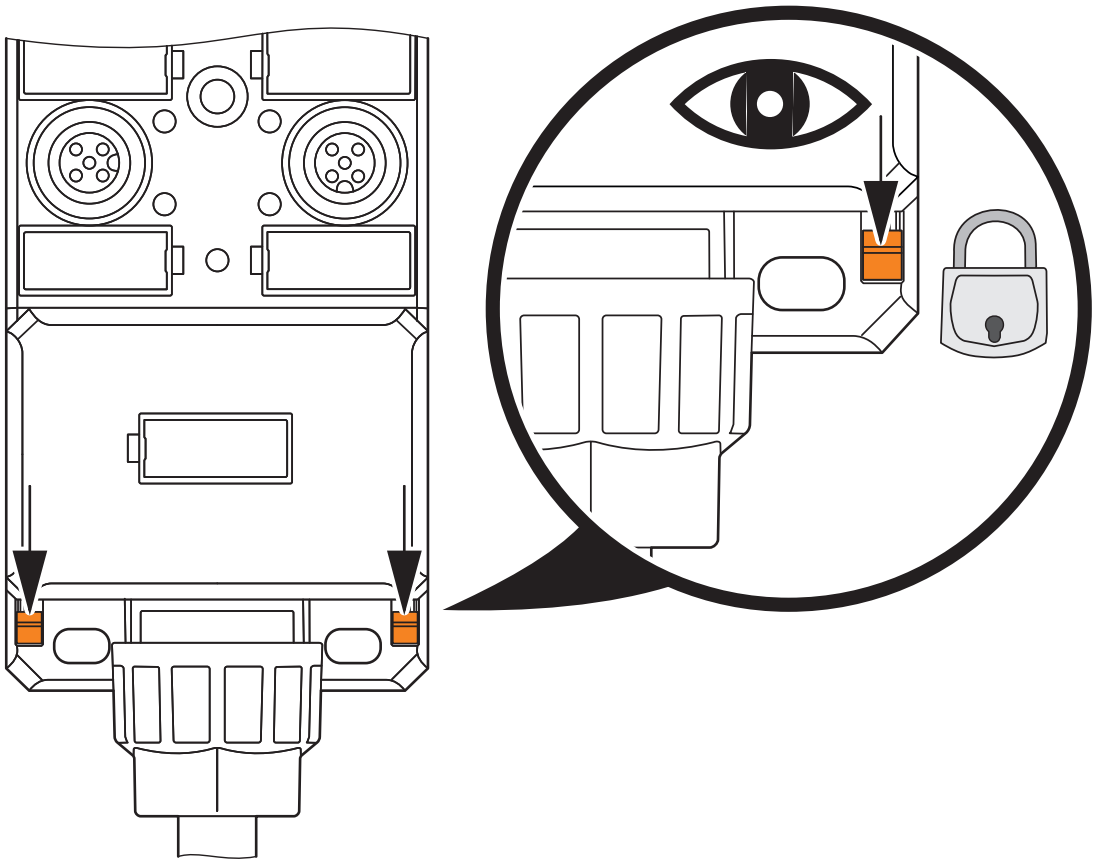
Schematic diagram of hood mounting

Schematic diagram



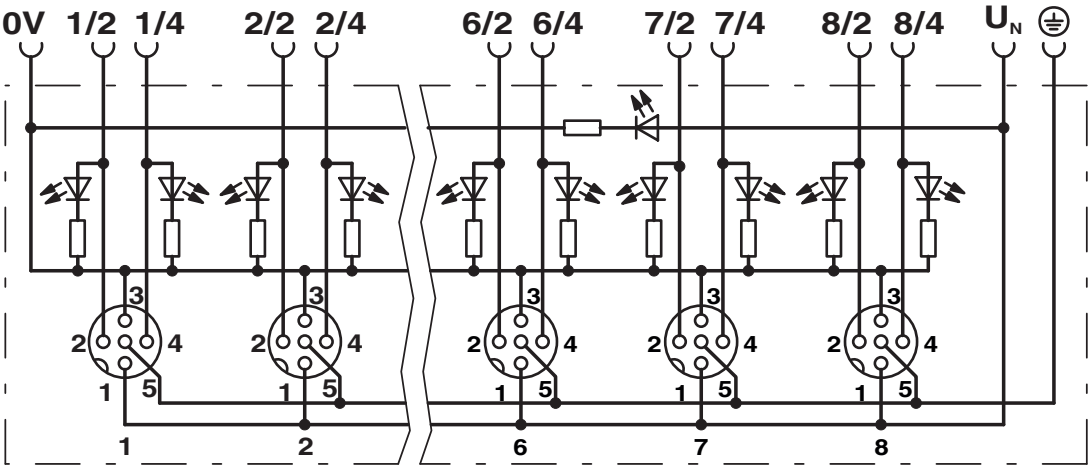
Schematic diagram of hood removal

Schematic diagram



Schematic diagram of locking and release mechanism for hood

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1494172

cULus Listed
Approval ID: E221474

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	24 V	8 A	-	-

Classifications

ECLASS

ECLASS-13.0	27440111
ECLASS-15.0	27440111

ETIM

ETIM 10.0	EC003558

UNSPSC

UNSPSC 21.0	31251500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Bumetrizole (UV-326)(CAS: 3896-11-5)
	Triphenyl phosphate(CAS: 115-86-6)

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