

SACB-8/16-L-PTP P12 - Distributor box



1491632

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Distributor box, application: Standard, connection method: M12 PUSH-PULL female connector / M12 socket, number of slots: 8, number of positions: 5, coding: A, slot assignment: Double, status display: yes, PNP; master cable connection: plug-in push-in spring connection 180°, shielding: no

Marking labels are not included in the scope of delivery

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	1491632
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF41
Product key	AF3CBD
GTIN	4063151937140
Weight per piece (including packing)	270 g
Weight per piece (excluding packing)	270 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".
Note regarding documentation	For details about the used PCB connectors FMC 1,5/10-STF-3,5 - 1966172, refer to the technical data for the item

Product properties

Product type	Distributor box
Application	Standard
Number of positions	5
Number of slots	8
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 mm ² ... 1 mm ²
Conductor cross-section Flexible power supply	0.2 mm ² ... 1 mm ²
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

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	2 / 2 (B) = RDBU
	3 / 4 (A) = YE
	3 / 2 (B) = WHGN
	4 / 4 (A) = GY
	4 / 2 (B) = BNGN
	5 / 4 (A) = PK
	5 / 2 (B) = WHYE
	6 / 4 (A) = RD
	6 / 2 (B) = YEBN
	7 / 4 (A) = BK
	7 / 2 (B) = WHGY
	8 / 4 (A) = VT
	8 / 2 (B) = GYBN
	1-8 / 1 (+ 24 V) = BN
	1-8 / 3 (0 V) = BU
	1-8 / 5 (PE) = GNYE

Signaling

Status display present	yes
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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	plug-in push-in spring 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

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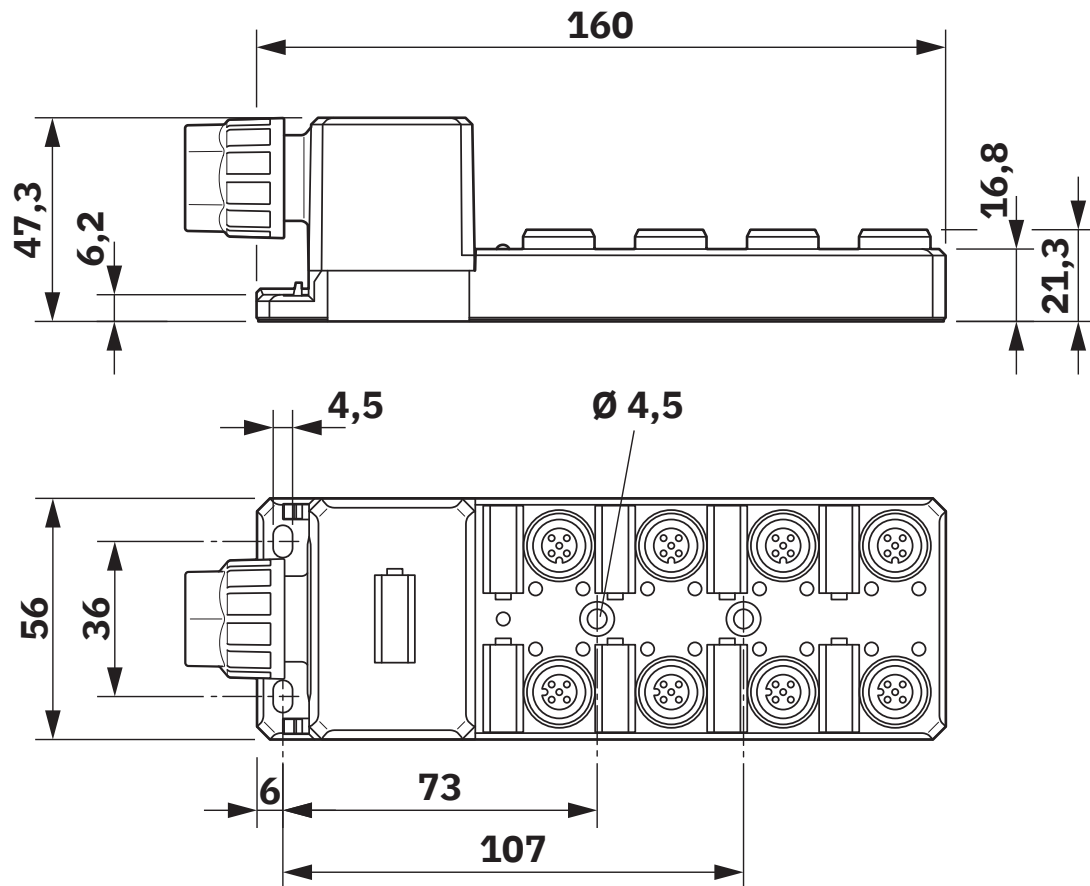


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Drawings

Dimensional drawing

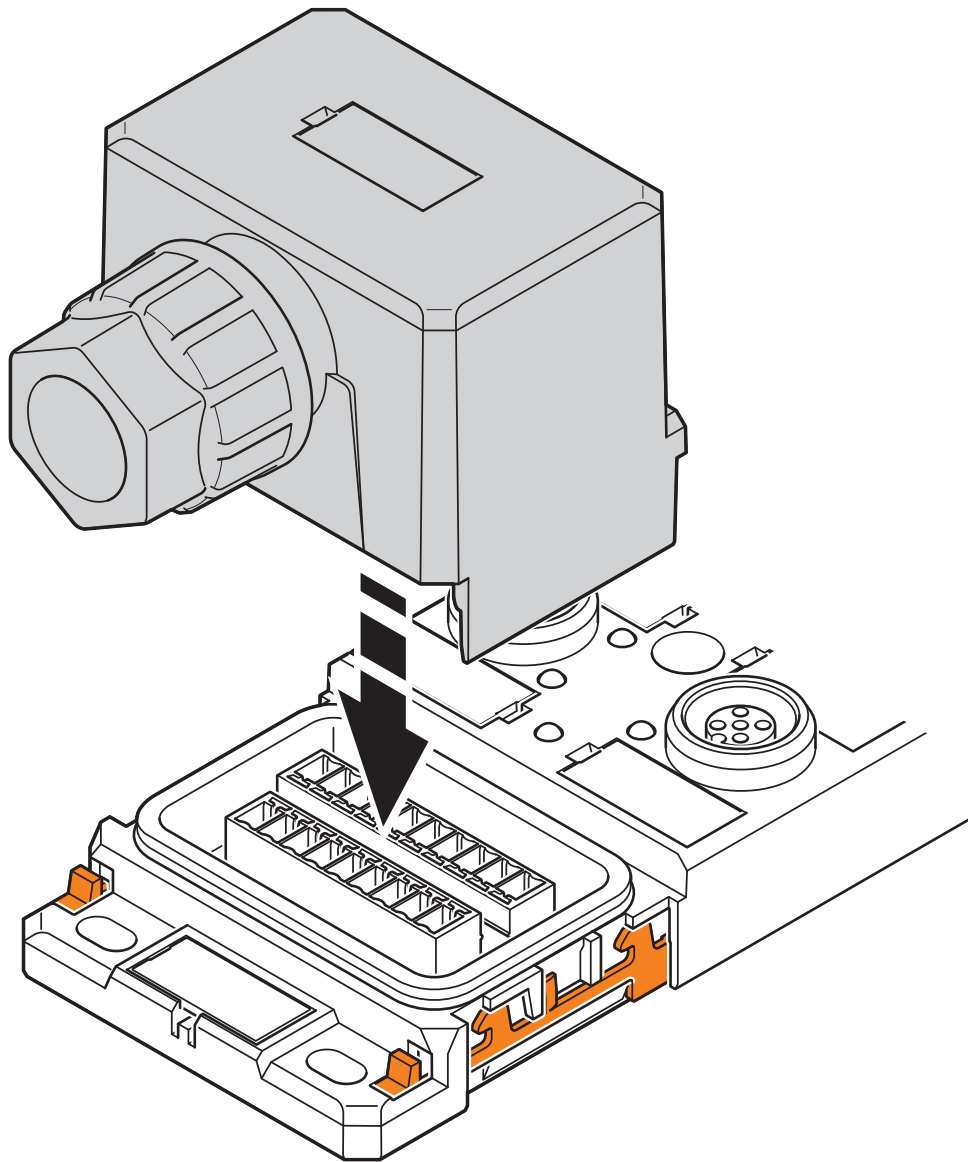


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Schematic diagram



Schematic diagram of hood mounting

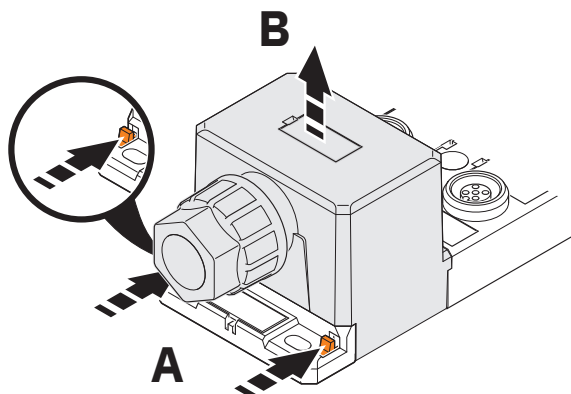
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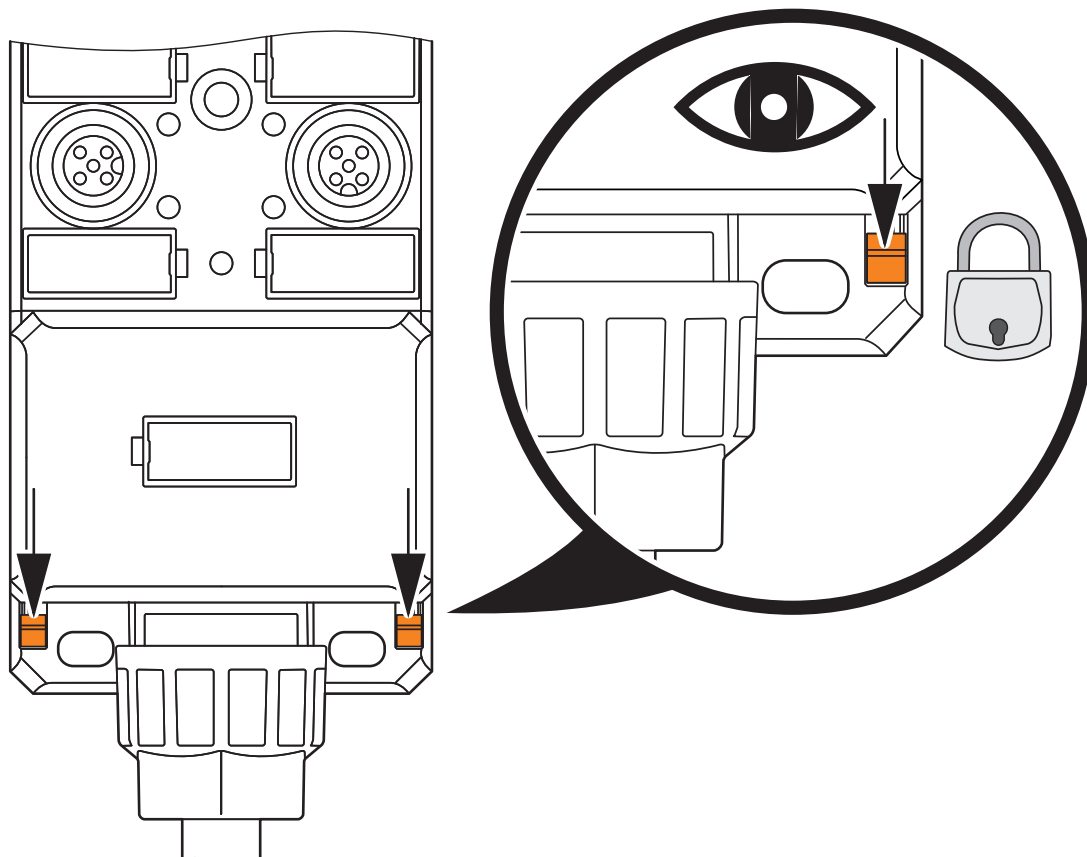


Schematic diagram



Schematic diagram of hood removal

Schematic diagram



Schematic diagram of locking and release mechanism for hood

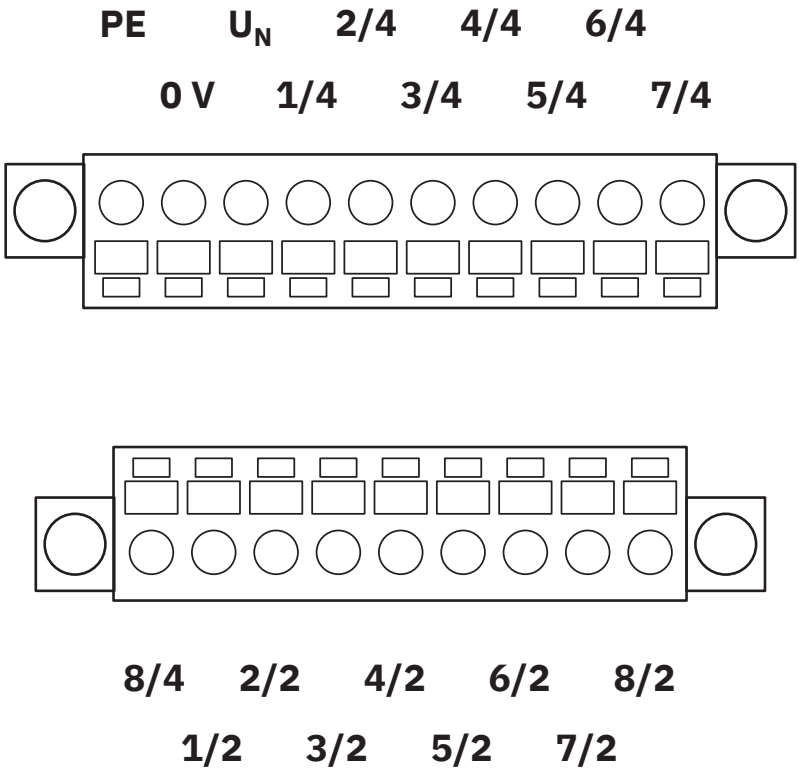
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Schematic diagram



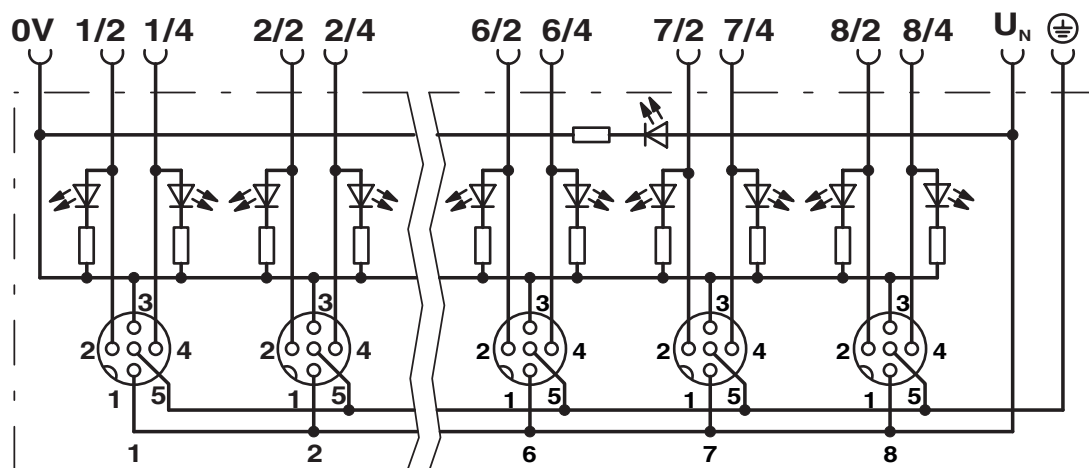
Schematic drawing of terminal assignment of PCB terminal block

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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/1491632>

 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	-	-

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Classifications

ECLASS

ECLASS-13.0	27440111
ECLASS-15.0	27440111

ETIM

ETIM 10.0	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, No exemptions
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China RoHS

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

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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