

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

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
Product key	AF3CBD
GTIN	4063151937140
Weight per piece (including packing)	270 g
Weight per piece (excluding packing)	270 g
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
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 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



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Standards/specifications

3 / 2 (B) = WHGN		
4/2 (B) = BNGN		3 / 2 (B) = WHGN
5 / 4 (A) = PK		4 / 4 (A) = GY
5 / 2 (B) = WHYE		4 / 2 (B) = BNGN
6 / 4 (A) = RD		5 / 4 (A) = PK
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 Ye		5 / 2 (B) = WHYE
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 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		6 / 4 (A) = RD
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 Material specifications Material Housing Flammability rating according to UL 94 V0 Seal material 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		6 / 2 (B) = YEBN
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 Material specifications Material Housing PBT Flammability rating according to UL 94 V0 Seal material 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		7 / 4 (A) = BK
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 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		7 / 2 (B) = WHGY
1-8 / 1 (+ 24 V) = BN 1-8 / 3 (0 V) = BU 1-8 / 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 plug-in push-in spring connection		8 / 4 (A) = VT
1-8 / 3 (0 V) = BU 1-8 / 5 (PE) = GNYE		8 / 2 (B) = GYBN
Signaling Status display present Material specifications Material Housing Flammability rating according to UL 94 Seal material Contact material Contact surface material Contact carrier material Contact carrier material External cable diameter Connection method Ni/Au PA Connection method 1-8 / 5 (PE) = GNYE PBT PBT V0 V0 CUS FKM CuSn Ni/Au PA Cable/line External cable diameter 7 mm 12 mm plug-in push-in spring connection		1-8 / 1 (+ 24 V) = BN
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Status display present 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		1-8 / 5 (PE) = GNYE
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Seal material 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	Material Housing	PBT
Contact material 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	Flammability rating according to UL 94	V0
Contact surface material Contact carrier material PA Cable/line External cable diameter Connection method Ni/Au PA The material of the	Seal material	FKM
Cable/line External cable diameter 7 mm 12 mm Connection method plug-in push-in spring connection	Contact material	CuSn
Cable/line External cable diameter 7 mm 12 mm Connection method plug-in push-in spring connection	Contact surface material	Ni/Au
External cable diameter 7 mm 12 mm Connection method plug-in push-in spring connection	Contact carrier material	PA
Connection method plug-in push-in spring connection	Cable/line	
	External cable diameter	7 mm 12 mm
Environmental and real-life conditions	Connection method	plug-in push-in spring connection
Ambient conditions	Environmental and real-life conditions Ambient conditions	
Degree of protection IP65	Degree of protection	IP65
IP67		IP67
Ambient temperature (operation) -25 °C 80 °C	Ambient temperature (operation)	
Standards and regulations		
Standard designation M12-Push-Pull	-	M12-Push-Pull

IEC 61076-2-010

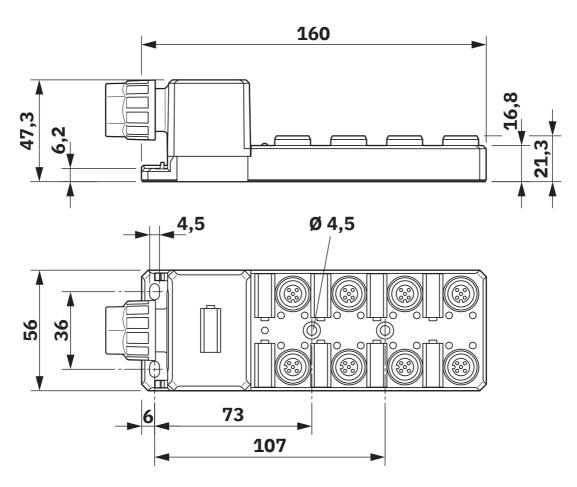


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Drawings

Dimensional drawing

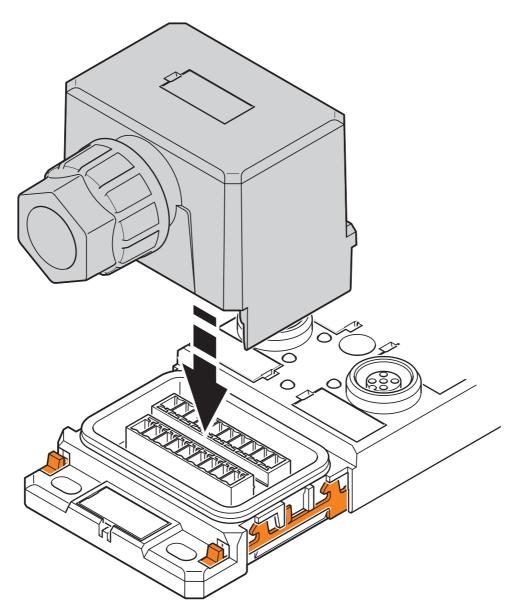




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Schematic diagram



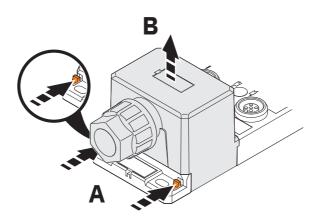
Schematic diagram of hood mounting



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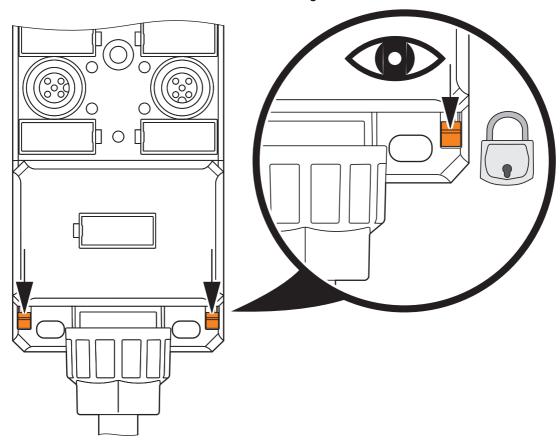


Schematic diagram



Schematic diagram of hood removal





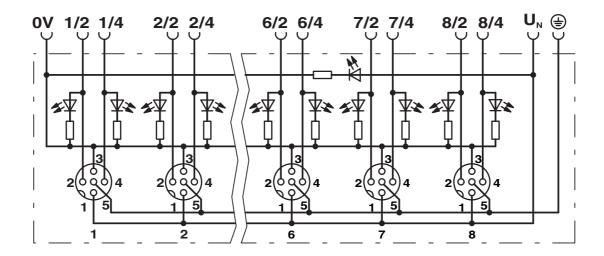
Schematic diagram of locking and release mechanism for hood



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Circuit diagram





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Classifications

ETIM 9.0

ECLASS

	ECLASS-13.0	27440111
	ECLASS-15.0	27440111
ET	IM	

EC003558



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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.)	No substance above 0.1 wt%

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