SACB-8/16- 5,0PUR P12 SH - Distributor box

1155993

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Distributor box, application: Standard, extended requirements, connection method: M12 PUSH-PULL female connector Metal / M12 socket, number of slots: 8, number of positions: 5, coding: A, slot assignment: Double, status display: no, Universal; master cable connection: Fixed connection 180°, PUR/PVC, cable length: 5 m, 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	1155993
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF43
Product key	AF3CDA
GTIN	4063151157975
Weight per piece (including packing)	1,798 g
Weight per piece (excluding packing)	1,798 g
Customs tariff number	85444290
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, extended requirements
Number of positions	5
Number of slots	8
Coding	A

Electrical properties

Nominal voltage U_N	48 V AC
	60 V DC
Rated current, total	12 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 PUSH-PULL female connector
	M12 socket
Tightening torque slot sensor/actuator cable	0.4 Nm

Connection assignment

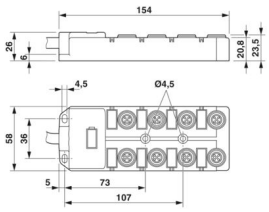
Slot/position = Wire color or connection	1 / 4 (A) = WH
	1 / 2 (B) = GYPK
	2 / 4 (A) = GN
	2 / 2 (B) = RDBU
	3 / 4 (A) = YE
	3 / 2 (B) = WHGN
	4 / 4 (A) = GY
	4 / 2 (B) = BNGN
	5 / 4 (A) = PK

	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 (+ 48 V) = BN
	1-8 / 3 (0 V) = BU
	1-8 / 5 (PE) = GNYE

Signaling

Status display present	no

Dimensions

Dimensional drawing	
Width	58 mm
Height	26 mm
Length	153 mm

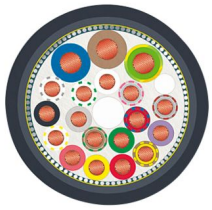
Material specifications

Material Threaded sleeve	Die-cast zinc
Material Housing	Die-cast zinc
Material Molding compound	PUR
Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	Cu alloy
Contact surface material	gold-plated
Contact carrier material	PA

Cable/line

Cable length	5 m

PUR/PVC shielded, black [PUR]

Dimensional drawing	
Number of positions	19
Shielded	yes
Cable type	PUR/PVC shielded, black [PUR]
Conductor structure signal line	64x 0.10 mm
AWG signal line	20
Conductor structure, voltage supply	128x 0.10 mm
AWG power supply	17
Conductor cross-section	16x 0.5 mm² (Signal line)
	3x 1 mm² (Power supply)
Wire diameter incl. insulation	1.6 mm (Signal line)
	2 mm (power line)
External cable diameter	11.60 mm ±0.3 mm
Outer sheath, material	PUR
External sheath, color	deep black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown
Overall twist	Wires twisted in layers
Nominal voltage, cable	300 V
Test voltage	2000 V
Dynamic load capacity (bending)	Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s
Flame resistance	DIN EN 50265
Resistance to oil	according to VDE 0472 Part 803
Other resistance	Highly resistant to acids, alkaline solutions and solvents
Special properties	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65

Ambient temperature (operation)	-25 °C ... 70 °C

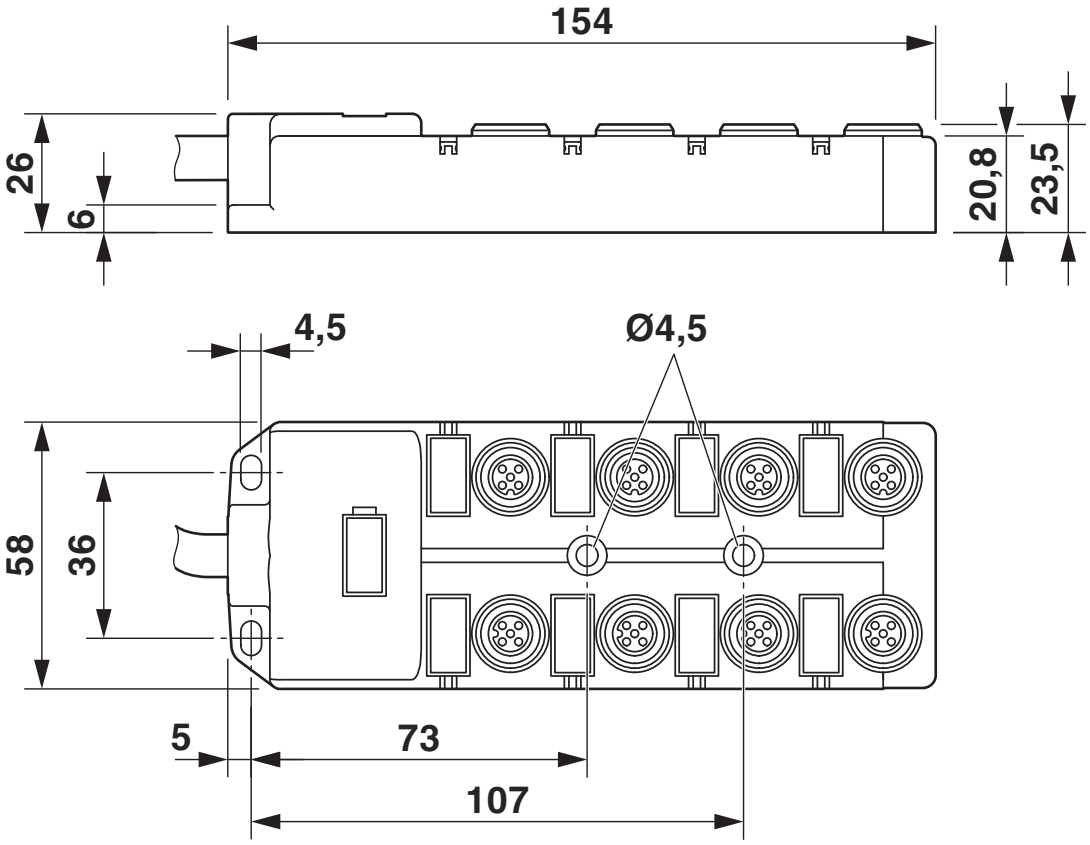
Standards and regulations

M12

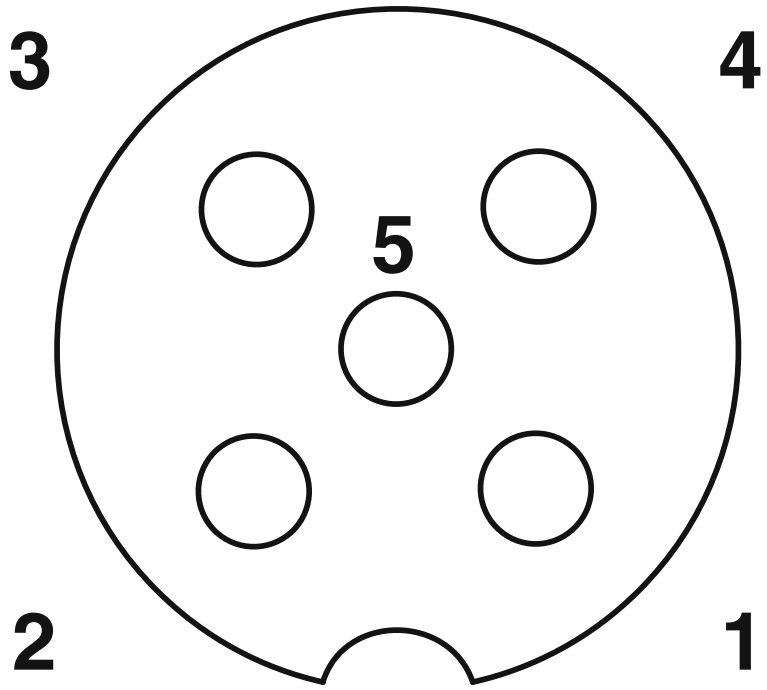
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

Drawings

Dimensional drawing

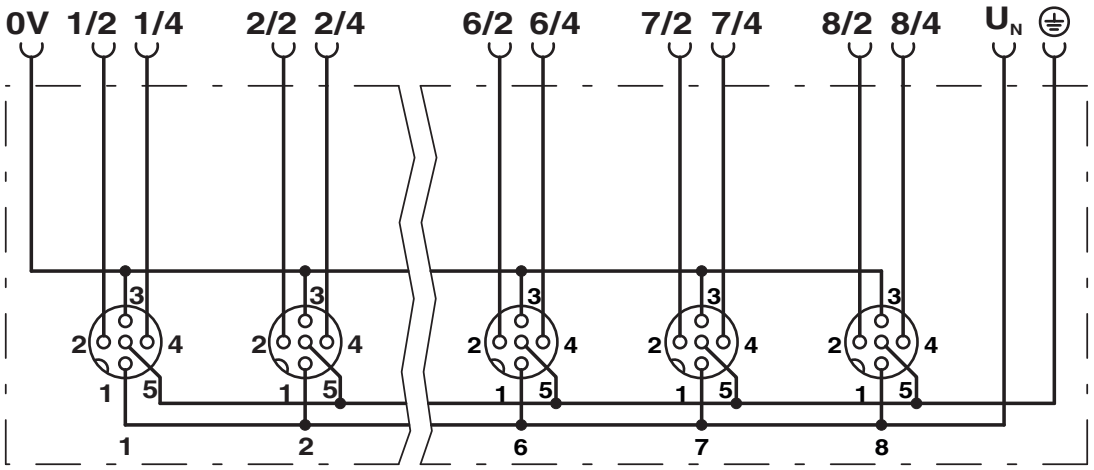


Schematic diagram



M12 slot, socket, 5-pos.

Circuit diagram



Classifications

ECLASS

ECLASS-13.0	27440108
ECLASS-15.0	27440108

ETIM

ETIM 10.0	EC002585

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	5b5560f1-993a-4d13-b3f6-619e64ad9272

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