

Sensor/actuator box - SACB-8/16-L-10,0PVC FB - 1555554

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Sensor/actuator box, M12 socket, 8 slots, 5-pos., double occupancy, status indicator: yes, pnp, master cable connection: Fixed connection 180°, PVC, cable length: 10 m, shielding: No

Why buy this product

- Safety in the field, thanks to molded housing and high degree of protection
- Flexible, distributed bundling of signals in one master cable
- Convenient: increased machine availability thanks to quick and easy diagnostics
- Save space: distributor box with double occupancy for two sensors in one slot

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 170536
GTIN	4046356170536
Weight per Piece (excluding packing)	2,396.000 g
Custom tariff number	85444290
Country of origin	Germany

Technical data

General

Rated voltage	24 V DC
Max. operating voltage U_{max}	30 V DC
Current carrying capacity per I/O signal	2 A
Current carrying capacity per slot	4 A
Total rated current	12 A
Number of positions	5
Number of slots	8
Sensor/actuator connection system	M12 socket

Ambient conditions

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Technical data

Ambient conditions

Degree of protection	IP65
	IP67
	IP69K
Ambient temperature (operation)	-30 °C ... 80 °C
	-40 °C ... 90 °C (for fixed installation)
	-5 °C ... 80 °C (for flexible installation)

Local diagnostics function

Local diagnostics	Supply voltage Green LED
	Status display I/O Yellow LED

Master cable data/connection data

Connection method	Fixed connection
Length of cable	10 m
Signal line cross section	16x 0.5 mm ²
AWG signal line	20
Conductor structure signal line	64x 0.10 mm
Power supply cross section	3x 1 mm ²
AWG power supply	17
Conductor structure, voltage supply	128x 0.10 mm
External diameter	11.6 mm
Max. bending cycles	1000000
Traversing path	5 m
Traversing rate	3 m/s
Tightening torque slot sensor/actuator cable	0.4 Nm

Insulation material

Housing material	Stainless steel 1.4404
Material of the moulding mass	PUR
Contact material	CuSn6
Contact surface material	gold-plated
Contact carrier material	PBT
Material of threaded sleeve	Stainless steel 1.4404

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = WH
	1 / 2 (B) = GY/PK
	2 / 4 (A) = GN
	2 / 2 (B) = RD/BU
	3 / 4 (A) = YE
	3 / 2 (B) = WH/GN
	4 / 4 (A) = GY
	4 / 2 (B) = BN/GN

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Technical data

Pin assignment

	5 / 4 (A) = PK
	5 / 2 (B) = WH/YE
	6 / 4 (A) = RD
	6 / 2 (B) = YE/BN
	7 / 4 (A) = BK
	7 / 2 (B) = WH/GY
	8 / 4 (A) = VT
	8 / 2 (B) = GY/BN
	1-8 / 1 (+ 24 V) = BN
	1-8 / 3 (0 V) = BU
	1-8 / 5 (PE) = GN/YE

Standards and Regulations

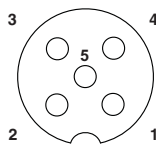
Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

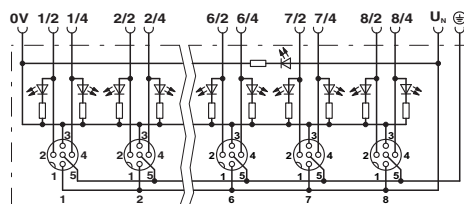
Drawings

Schematic diagram



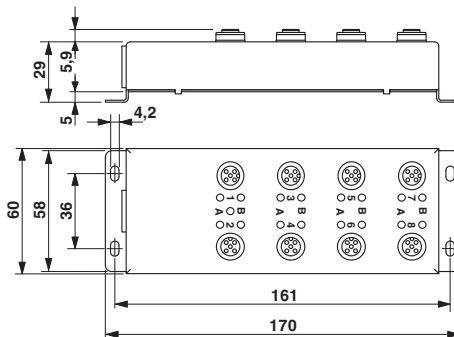
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Circuit diagram



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Dimensional drawing



Dimensional drawing

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27279219
eCl@ss 9.0	27440108

ETIM

ETIM 3.0	EC001856
ETIM 4.0	EC002585
ETIM 5.0	EC002585
ETIM 6.0	EC002585

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31251501

Approvals

Approvals

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EAC

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Approvals

Ex Approvals

Approval details

EAC		EAC-Zulassung
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Accessories

Accessories

Protective cap

Screw plug - PROT-M12 FB - 1555538



M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry