



**Automatización Eléctrica**  
Especialistas en Automatización

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## 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

### 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

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

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

### Technical data

#### 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 <sup>2</sup>
AWG signal line	20
Conductor structure signal line	64x 0.10 mm
Power supply cross section	3x 1 mm <sup>2</sup>
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
	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

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## Technical data

### Pin assignment

	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

## 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

### ETIM

ETIM 3.0	EC001856
ETIM 4.0	EC002585
ETIM 5.0	EC002585

### UNSPSC

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

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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

## Approvals

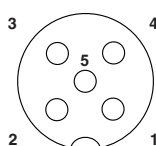
Approvals submitted

## Approval details

EAC

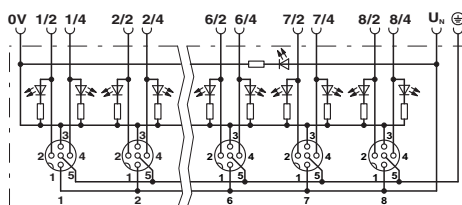
## Drawings

Schematic diagram

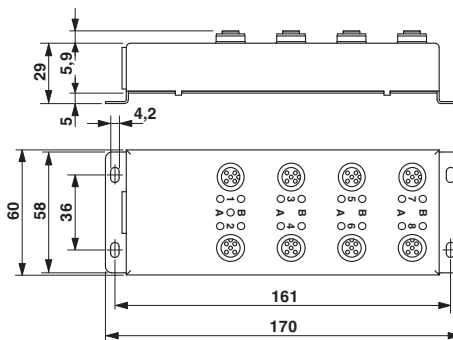


Pin assignment M12 socket, 5-pos., A-coded, socket side view

Circuit diagram



Dimensional drawing



Dimensional drawing

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