

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



1555554

<https://www.phoenixcontact.com/us/products/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

## Your advantages

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

## Commercial Data

Item number	1555554
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B08
Product Key	BF3EAA
Catalog Page	Page 146 (C-4-2013)
GTIN	4046356170536
Weight per Piece (including packing)	2,396 g
Weight per Piece (excluding packing)	2,396 g
Customs tariff number	85444290
Country of origin	DE

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## Technical Data

### Notes

Assembly instruction:	<b>NOTE:</b> Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate 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 boxes with M8 to M12 slots
Number of positions	5
Application	Food processing industry
Number of slots	8
Coding	A - standard

### Material specifications

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

### Dimensions

Dimensional drawing	
Width	60 mm
Height	35 mm
Length	170 mm

### Connection data

#### Pin 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

## LED signaling

Status display present	yes
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## Electrical properties

Max. operating voltage $U_{max}$	30 V DC
Local diagnostics	Supply voltage Green LED
	Status display I/O Yellow LED
Nominal voltage $U_N$	24 V DC
Rated current, total	12 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	4 A

## Cable / line

Cable length	10 m
Sensor/actuator connection system	M12 socket
Connection method	Fixed connection
Outside diameter	11.6 mm
Conductor cross section signal conductor	16x 0.5 mm <sup>2</sup>
Conductor structure signal line	64x 0.10 mm
AWG signal line	20
Conductor cross section voltage supply	3x 1 mm <sup>2</sup>
Conductor structure, voltage supply	128x 0.10 mm
AWG power supply	17
Number of bending cycles	1000000
Traversing rate	3 m/s
Traversing path	5 m
Tightening torque slot sensor/actuator cable	0.4 Nm

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Ambient temperature (operation)	-40 °C ... 90 °C (for fixed installation)
	-5 °C ... 80 °C (for flexible installation)

## Standards and regulations

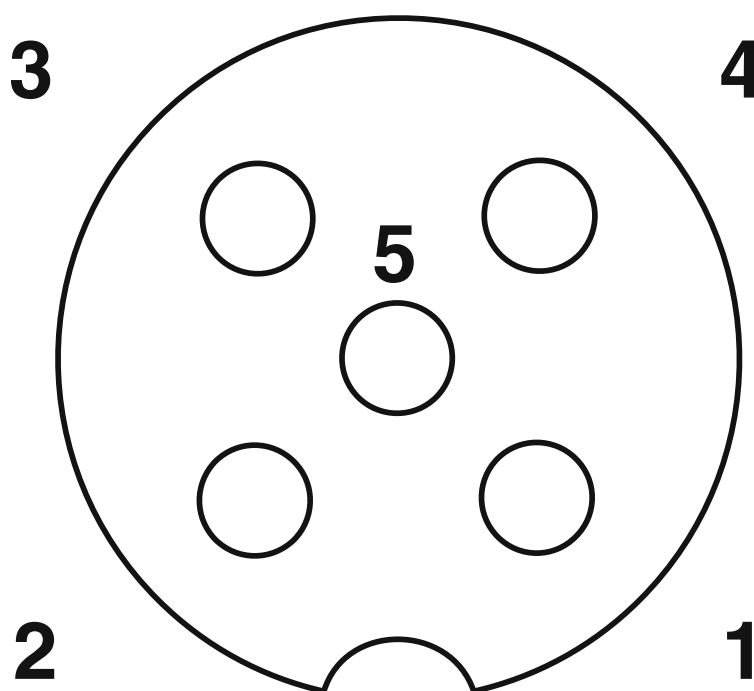
Standards/specifications	IEC 61076-2-101
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## Ambient conditions

Degree of protection	IP65
	IP67
	IP69K
Ambient temperature (operation)	-30 °C ... 80 °C

Drawings

Schematic diagram



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

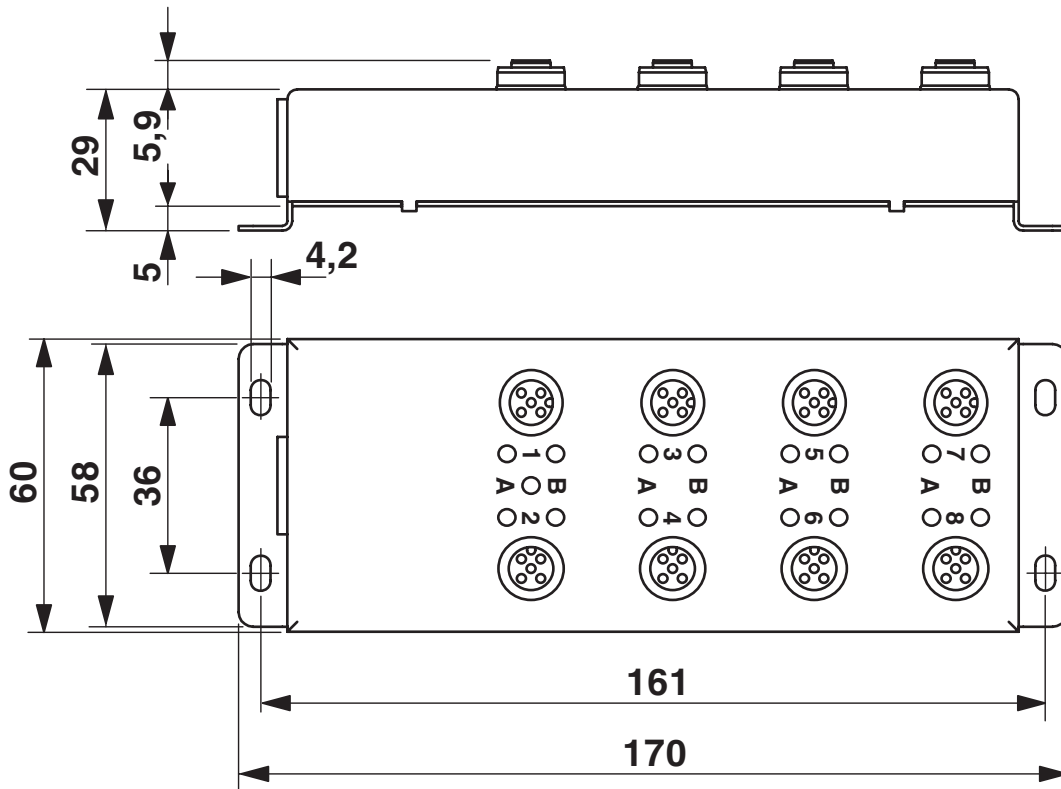
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Dimensional drawing



Dimensional drawing

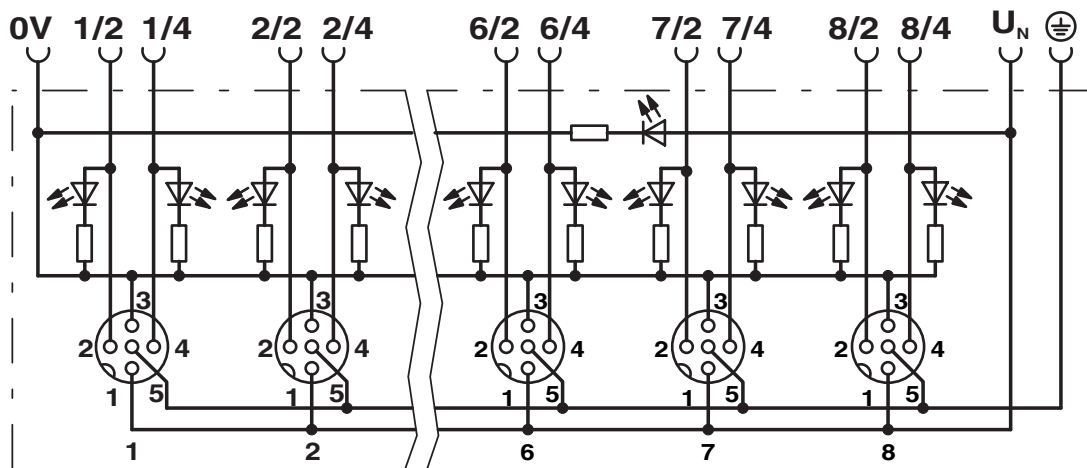
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Circuit diagram



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## Classifications

### ECLASS

ECLASS-10.0.1	27440108
ECLASS-9.0	27440108
ECLASS-11.0	27440108

### ETIM

ETIM 8.0	EC002585
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### UNSPSC

UNSPSC 21.0	31251500
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## Environmental Product Compliance

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

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## Accessories

### Screw plug

Screw plug - PROT-M12 FB - 1555538

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

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