

SACB-10/3-L-M16-M8 HD - Distributor box



1197585

<https://www.phoenixcontact.com/us/products/1197585>

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Distributor box, application: Standard, connection method: M8 socket Metal, number of slots: 10, number of positions: 3, coding: A, slot assignment: single, status display: Yes, PNP; master cable connection: M16 plug connection 90°, 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

Commercial data

Item number	1197585
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF40
Product key	BF3BCB
GTIN	4063151257071
Weight per piece (including packing)	166.9 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
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".

Product properties

Product type	Distributor box
Application	Standard
Number of positions	3
Number of slots	10
Coding	A
LED	yes

Data management status

Article revision	01
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System properties

Local diagnostics

Monitored function	Supply voltage per module
Optical representation	Green LED

Electrical properties

Max. operating voltage U_{max}	30 V DC
Local diagnostics	Supply voltage per module Green LED
	Status display I/O Yellow LED
Nominal voltage U_N	24 V DC
Rated current, total	6 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	2 A

Connection data

Conductor connection

Sensor/actuator connection system	M8 socket
Tightening torque slot sensor/actuator cable	0.2 Nm
Tightening torque - master cable - plug connection	1.5 Nm
Tightening torque of mounting screw for fixing the housing	0.8 Nm

Pin assignment

1 / 4 (A) = P

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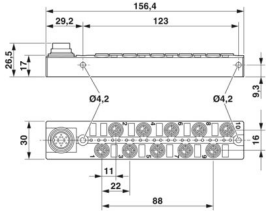
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Slot/position = Wire color or connection	2 / 4 (A) = J
	3 / 4 (A) = T
	4 / 4 (A) = S
	5 / 4 (A) = G
	6 / 4 (A) = R
	7 / 4 (A) = E
	8 / 4 (A) = O
	9 / 4 (A) = C
	10 / 4 (A) = N
	1-10 / 1 (+24 V) = A+M
	1-10 / 3 (0 V) = L+U

Signaling

Status display present	Yes
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Dimensions

Dimensional drawing	
Width	30 mm
Height	27 mm
Length	156.4 mm

Material specifications

Material Threaded sleeve	Cu alloy
Material Housing	PBT
Material Molding compound	PUR
Seal material O-ring	FKM
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PBT
Material of contact, master cable side	CU alloy

Cable/line

Connection method	M16 plug connection
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-20 °C ... 80 °C

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Standards and regulations

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

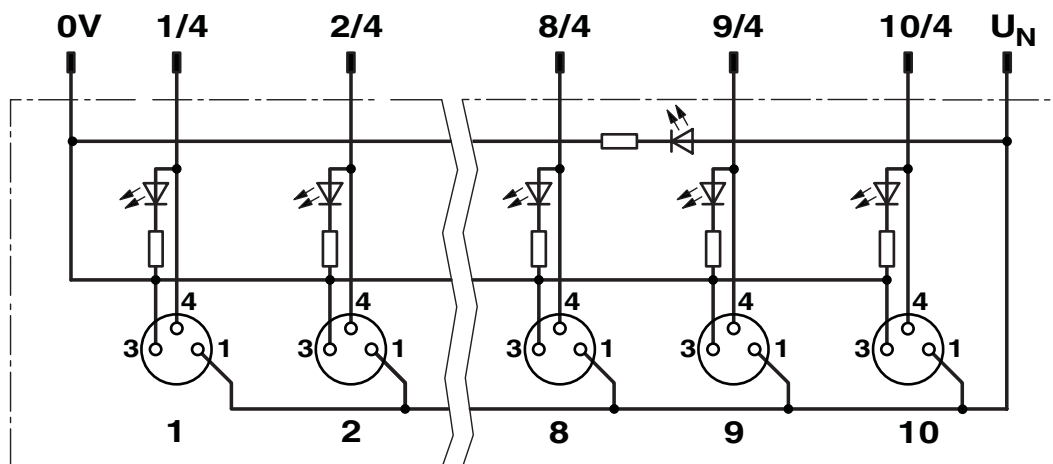
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Drawings

Circuit diagram



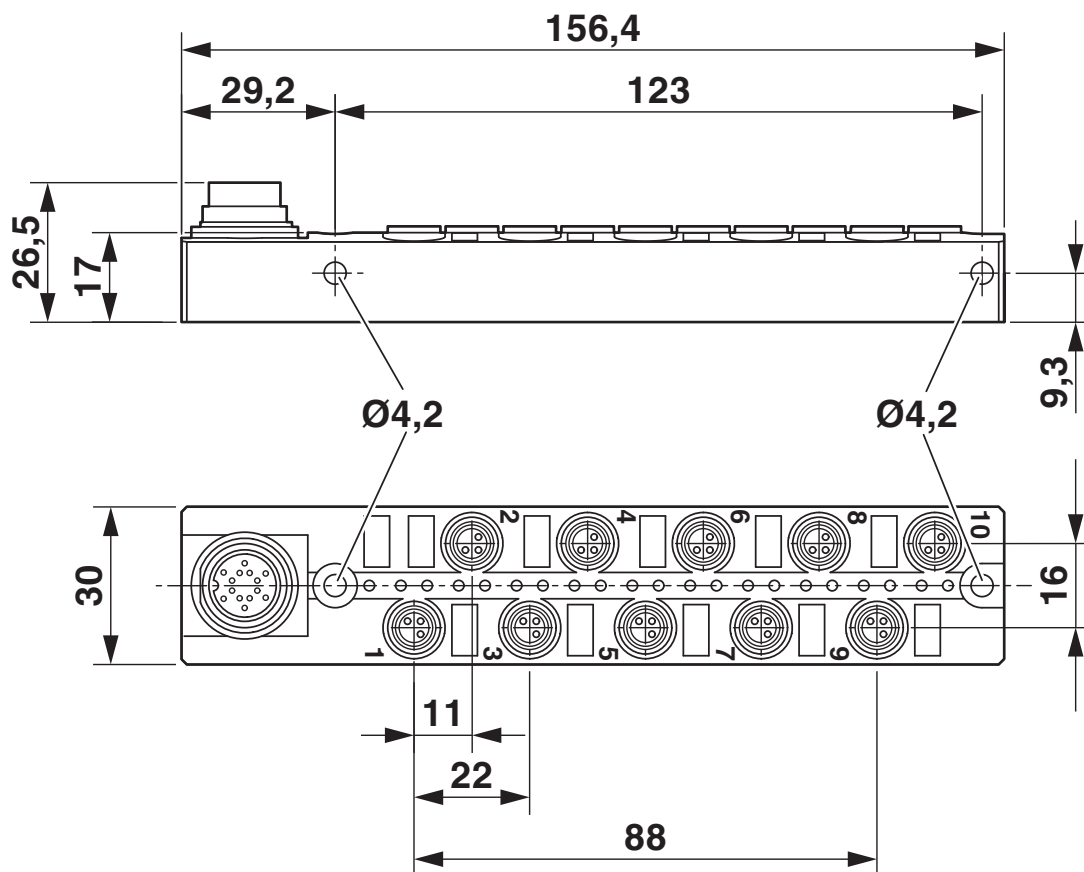
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Dimensional drawing



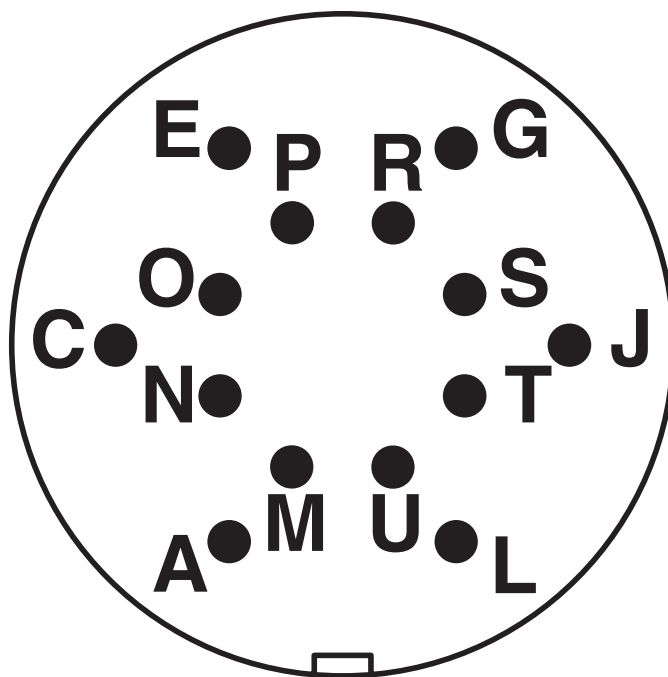
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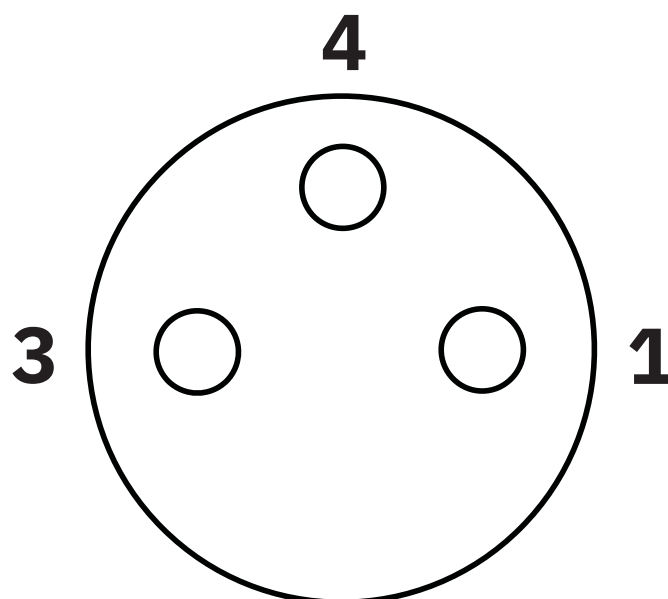
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Schematic diagram



M16 plug connection pin, 14-pos.

Schematic diagram



M8 slot, socket, 3-pos.

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Classifications

ECLASS

ECLASS-11.0	27440111
ECLASS-12.0	27440111
ECLASS-13.0	27440111

ETIM

ETIM 9.0	EC003558
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UNSPSC

UNSPSC 21.0	31251500
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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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