

SACB- 4/3-L-M12-M8 HD - Distributor box



1197405

<https://www.phoenixcontact.com/us/products/1197405>

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Distributor box, application: Standard, connection method: M8 socket Metal, number of slots: 4, number of positions: 3, coding: A, slot assignment: single, status display: yes, PNP; master cable connection: M12 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	1197405
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF40
Product key	AF3BCB
GTIN	4063151256265
Weight per piece (including packing)	81.8 g
Weight per piece (excluding packing)	80 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	4
Coding	A
LED	yes

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	4 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	0.4 Nm
Tightening torque of mounting screw for fixing the housing	0.8 Nm

Connection assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1
	2 / 4 (A) = 2
	3 / 4 (A) = 3
	4 / 4 (A) = 4

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1-4 / 1 (+ 24 V) = 5

1-4 / 3 (0 V) = 7

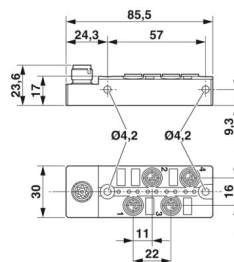
Signaling

Status display present

yes

Dimensions

Dimensional drawing



Width

30 mm

Height

23.6 mm

Length

85.5 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

Material of contact surface, master cable side

gold-plated

Cable/line

Connection method

M12 plug connection

Environmental and real-life conditions

Ambient conditions

Degree of protection

IP67

Ambient temperature (operation)

-25 °C ... 80 °C

Standards and regulations

M12

Standard designation

M12 connector

Standards/specifications

IEC 61076-2-101

M8

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

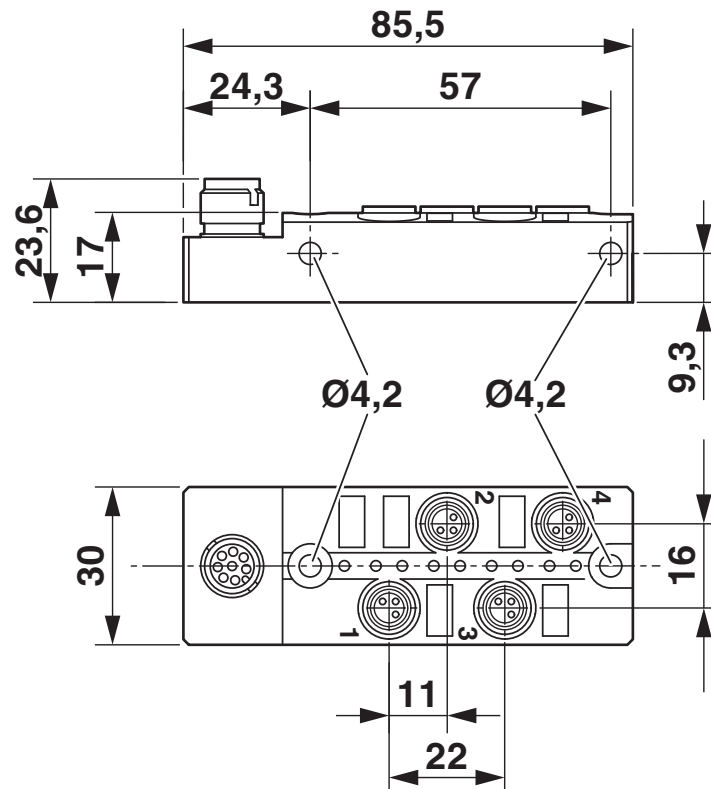
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Drawings

Dimensional drawing



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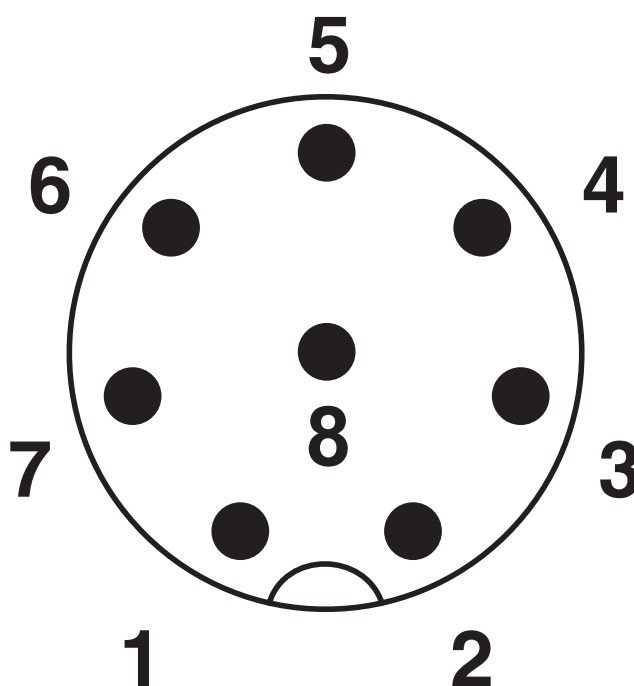
<https://www.phoenixcontact.com/us/products/1197405>

Schematic diagram



M8 slot, socket, 3-pos.

Schematic diagram



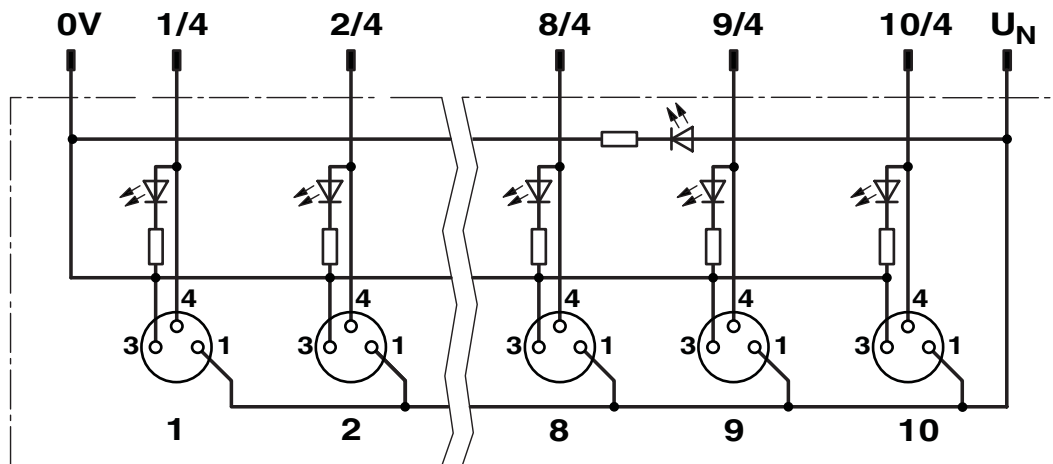
Connector pin assignment for M12 plug-in connection, 8-pos.

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Circuit diagram



Further information can be found in the connection assignment section

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Approvals

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cUL Recognized
Approval ID: E238705

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Classifications

ECLASS

ECLASS-13.0	27440111
ECLASS-15.0	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
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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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