

SACB- 8/4-L- 5,0PUR-M8 - Distributor box



1516111

<https://www.phoenixcontact.com/pc/products/1516111>

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Distributor box, application: Standard, connection method: M8 socket Metal, number of slots: 8, number of positions: 4, coding: A, slot assignment: Double, status display: Yes, pnp; master cable connection: Fixed connection 180°, PUR/PVC, cable length: 5 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	1516111
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BF3BCA
Catalog page	Page 260 (C-2-2019)
GTIN	4017918967093
Weight per piece (including packing)	864.1 g
Weight per piece (excluding packing)	858.2 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Notes

General	NOTE: 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.
General	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	4
Number of slots	8
Coding	A
LED	yes

System properties

Local diagnostics	
Monitored function	Supply voltage
Optical representation	Green LED

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	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

Pin assignment	
Slot/position = Wire color or connection	1 / 4 (A) = WH
	1 / 2 (B) = GYPK
	2 / 4 (A) = GN
	2 / 2 (B) = RDBU
	3 / 4 (A) = YE
	3 / 2 (B) = WHGN

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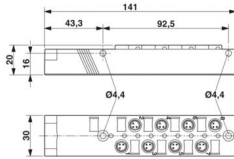
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	4 / 4 (A) = GY
	4 / 2 (B) = BNGN
	5 / 4 (A) = PK
	5 / 2 (B) = WHYE
	6 / 4 (A) = RD
	6 / 2 (B) = YEBN
	7 / 4 (A) = BK
	7 / 2 (B) = WHGY
	8 / 4 (A) = VT
	8 / 2 (B) = GYBN
	1-8 / 1 (+ 24 V) = BN
	1-8 / 3 (0 V) = BU

Signaling

Status display present	Yes
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Dimensions

Dimensional drawing	
Width	30 mm
Height	22 mm
Length	141 mm

Material specifications

Material Threaded sleeve	Cu alloy
Material Housing	PBT
Material Molding compound	PUR
Flammability rating according to UL 94	V0
Seal material O-ring	NBR
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA

Cable/line

Cable length	5 m
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PUR/PVC black [PUR]

Number of positions	18
Shielded	no
Cable type	PUR/PVC black [PUR]
Conductor structure signal line	42x 0.10 mm

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AWG signal line	22
Conductor cross section	16x 0.34 mm ² (Signal line)
	2x 0.75 mm ² (Power supply)
External cable diameter	10.10 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	deep black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, blue, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown
Overall twist	Wires twisted in layers
Nominal voltage, cable	300 V (Signal line)
	500 V (Power supply)
Test voltage	1200 V (Signal line)
	2000 V (Power supply)
Max. bending cycles	1500000
Flame resistance	DIN EN 50265
Resistance to oil	according to VDE 0472 Part 803
Other resistance	Highly resistant to acids, alkaline solutions and solvents
Special properties	Silicone-free
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

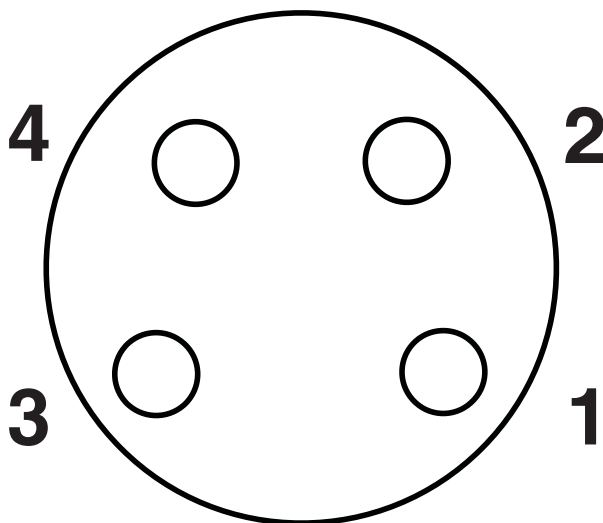
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-30 °C ... 80 °C

Standards and regulations

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

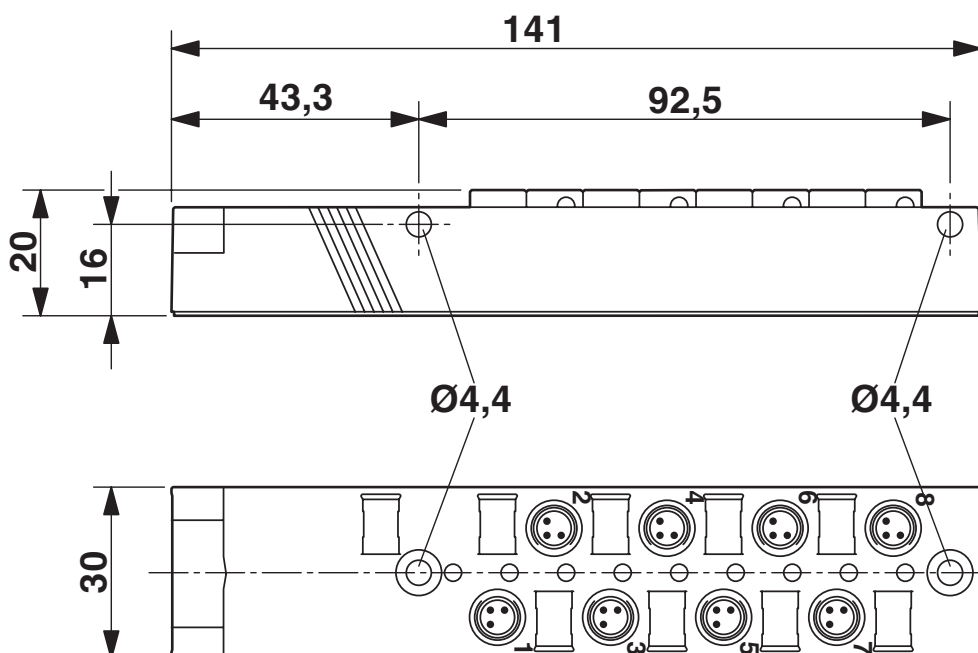
Drawings

Schematic diagram



Pin assignment M8 socket, 4-pos.

Dimensional drawing



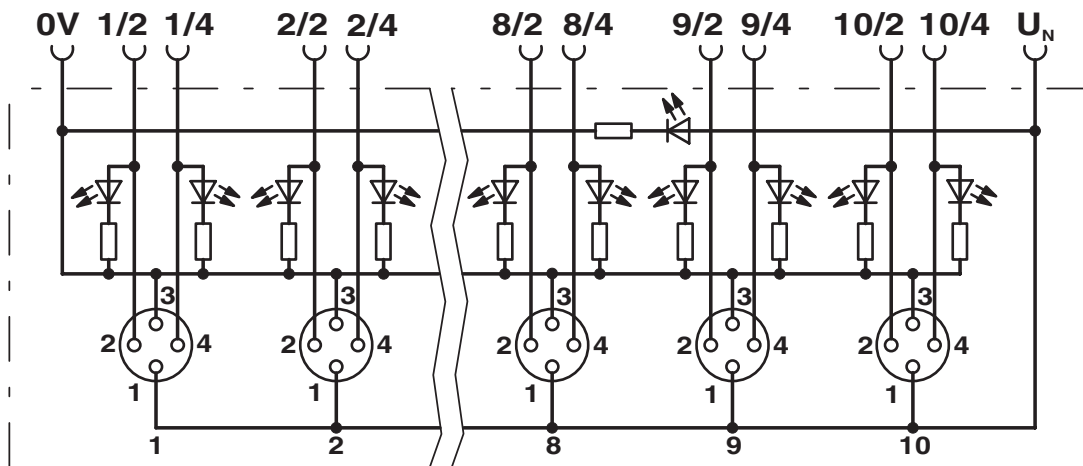
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Circuit diagram



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Classifications

ECLASS

ECLASS-11.0	27440108
ECLASS-13.0	27440108

UNSPSC

UNSPSC 21.0	31251501
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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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