

**SACB- 8/3-L- 5,0PUR-M8**

Order No.: 1516056

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1516056>Sensor/actuator box, with connected master cable, slots: 8, no. of  
pos.: 3, cable length: 5 m**Commercial data**

EAN	4017918967031
Pack	1 pcs.
Customs tariff	85366990
Weight/Piece	0.6976 KG
Catalog page information	Page 112 (PC-2009)

**Product notes**WEEE/RoHS-compliant since:  
11/10/2006

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**Technical data****General data**

Nominal voltage $U_N$	24 V DC
Max. operating voltage $U_{max}$	30 V DC
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	2 A
SACB total current	6 A

Number of positions	3
Number of slots	8
Degree of protection	IP65/IP67
Inflammability class acc. to UL 94	V0
Ambient temperature (operation)	-30 °C ... 80 °C
Sensor/actuator connection system	M8 socket

#### Local diagnostics function

Local diagnostics	Supply voltage LED green
	Status display I/O Yellow LED

#### Master cable data

Type of connection	Fixed connection
Length of cable	5 m
Cable type	Master cable suitable for flexible cable conduit
Signal line cross section	8x 0.34 mm <sup>2</sup>
AWG signal line	22
Conductor structure, signal line	42x 0.10 mm
Power supply cross section	2x 0.75 mm <sup>2</sup>
AWG power supply	18
Conductor structure, voltage supply	96x 0.10 mm
External diameter	8.7 mm
Max. bending cycles	1500000
Bending radius	90 mm
Traversing path	2 m
Traversing rate	2 m/s
Ambient temperature (operation)	-40 °C ... 90 °C (for fixed installation)
	-5 °C ... 80 °C (for flexible installation)
Tightening torque slot sensor/actuator cable	0.2 Nm
Tightening torque screw plug	0.2 Nm

#### Insulation material

Housing material	PBT
Material of the moulding mass	PUR
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA

Material of threaded sleeve	Cu alloy
Material of threaded sleeve surface	Nickel-plated
Material, O-ring	NBR

**Pin assignment**

Slot/position = Wire color or connection	1 / 4 (A) = WH
	2 / 4 (A) = GN
	3 / 4 (A) = YE
	4 / 4 (A) = GY
	5 / 4 (A) = PK
	6 / 4 (A) = RD
	7 / 4 (A) = BK
	8 / 4 (A) = VT
	1-8 / 1 (+ 24 V) = BN
	1-8 / 3 (0 V) = BU

**Certificates / Approvals**



Certification CUL, UL

**CUL**

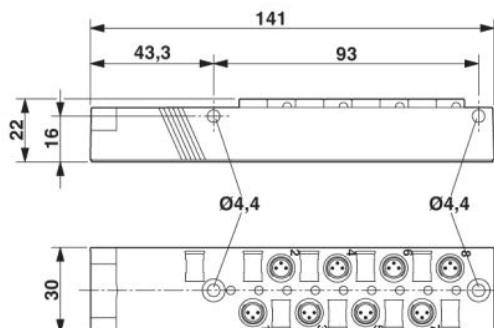
Nominal voltage $U_N$	24 V
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**UL**

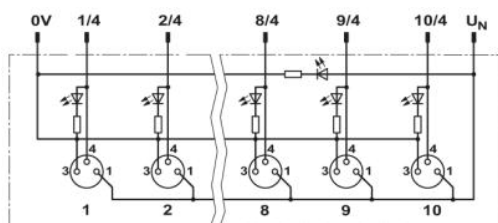
Nominal voltage $U_N$	24 V
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## Drawings

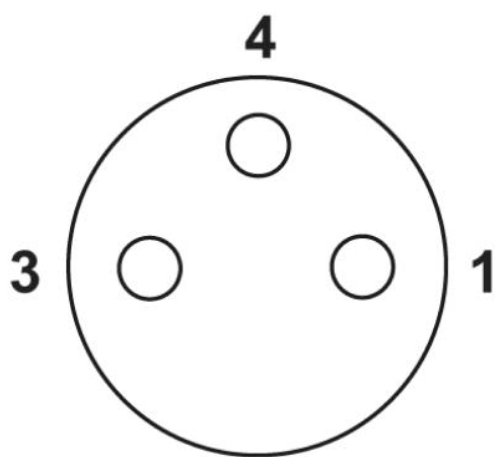
### Dimensioned drawing



### Circuit diagram



### Schematic diagram



M8 slot, socket, 3-pos.

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