



Automatización Eléctrica
Especialistas en Automatización

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Sensor/actuator box - SACB- 6/3-L-10,0PUR-M8 - 1516043

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Sensor/actuator box, Application: Standard, Connection method: M8 socket Metal, Number of slots: 6, Number of positions: 3, Coding: A - standard, Slot assignment: single, Status indication: Yes, pnp; Master cable connection: Fixed connection 180°, PUR/PVC, Cable length: 10 m, Shielding: No

Why buy this product

- Safety in the field, thanks to molded housing and high degree of protection
- Flexible, distributed bundling of signals in one master cable
- Convenient: increased machine availability thanks to quick and easy diagnostics

Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 967024

Technical data

General

Rated voltage	24 V DC
Max. operating voltage U_{max}	30 V DC
Current carrying capacity per I/O signal	2 A
Current carrying capacity per slot	2 A
Total rated current	6 A
Number of positions	3
Number of slots	6
Flammability rating according to UL 94	V0
Sensor/actuator connection system	M8 socket

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-30 °C ... 80 °C
	-40 °C ... 90 °C (for fixed installation)
	-5 °C ... 80 °C (for flexible installation)

Local diagnostics function

Local diagnostics	Supply voltage Green LED
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Technical data

Local diagnostics function

	Status display I/O Yellow LED
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Master cable connection data

Connection method	Fixed connection
Length of cable	10 m
Tightening torque slot sensor/actuator cable	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
O-ring material	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
	1-6 / 1 (+ 24 V) = BN
	1-6 / 3 (0 V) = BU

Standards and Regulations

Standard designation	M8 connector
Standards/regulations	IEC 61076-2-104
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Cable

Cable type	PUR/PVC black
Cable type (abbreviation)	PUR
Cable abbreviation	LiYY11Y-HF
UL AWM style	20549
Conductor cross section	6x 0.34 mm ² (Signal line)
	2x 0.75 mm ² (power line)
AWG signal line	22
AWG power supply	18
Conductor structure signal line	19x 0.15 mm

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Technical data

Cable

Conductor structure, voltage supply	42x 0.15 mm
Core diameter including insulation	1.3 mm ±0.1 mm (Signal line)
	1.8 mm ±0.1 mm (power line)
Overall twist	Wires twisted in layers
External sheath, color	black RAL 9005
Inner sheath thickness	≥ 0.15 mm
Outer sheath thickness	≥ 0.38 mm
External cable diameter D	7.6 mm ±0.2 mm
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	10 x D
Number of bending cycles	1500000
Bending radius	76 mm
Traversing path	2 m
Traversing rate	2 m/s
Acceleration	10 m/s ²
Cable weight	81.2 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Nominal voltage, cable	300 V
Test voltage, cable	2000 V
Special properties	Silicone-free
Flame resistance	DIN EN 50265
Resistance to oil	As per VDE 0472 Part 803
Other resistance	Highly resistant to acids, alkaline solutions and solvents
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27279219

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Classifications

ETIM

ETIM 2.0	EC000200
ETIM 3.0	EC001856
ETIM 4.0	EC002585
ETIM 5.0	EC002585

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized	
Nominal voltage UN	24 V

cUL Recognized	
Nominal voltage UN	24 V

EAC

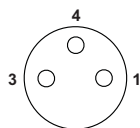
Sensor/actuator box - SACB- 6/3-L-10,0PUR-M8 - 1516043

Approvals

cULus Recognized US

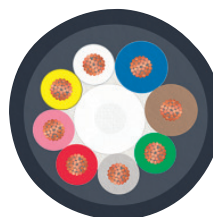
Drawings

Schematic diagram



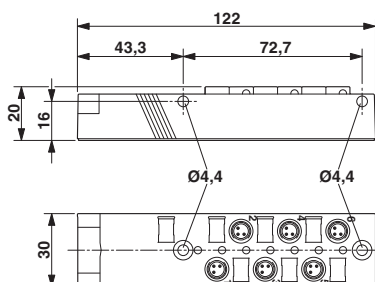
M8 slot, socket, 3-pos.

Cable cross section

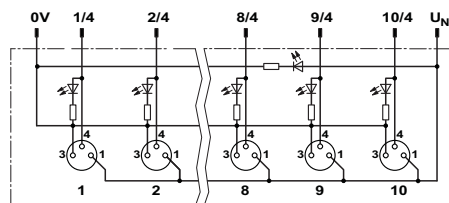


PUR/PVC black [PUR]

Dimensional drawing



Circuit diagram



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Product	Code	Reference	Product link
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