

Sensor/actuator box - SACB- 8/3-L- 5,0PUR-M8 - 1516056

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Sensor/actuator box, Application: Standard, Connection method: M8 socket Metal, Number of slots: 8, Number of positions: 3, Coding: A - standard, Slot assignment: single, Status indication: 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
- Flexible, distributed bundling of signals in one master cable
- Convenient: increased machine availability thanks to quick and easy diagnostics

Key commercial data

package_quantity	1
GTIN	4017918967031

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	8
Flammability rating according to UL 94	V0
Sensor/actuator connection system	M8 socket

Ambient conditions

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

Local diagnostics function

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

Master cable connection data

Connection method	Fixed connection
Length of cable	5 m

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Technical data

Master cable connection data

Tightening torque slot sensor/actuator cable	0.2 Nm
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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
Slot/position = Wire color or connection	2 / 4 (A) = GN
Slot/position = Wire color or connection	3 / 4 (A) = YE
Slot/position = Wire color or connection	4 / 4 (A) = GY
Slot/position = Wire color or connection	5 / 4 (A) = PK
Slot/position = Wire color or connection	6 / 4 (A) = RD
Slot/position = Wire color or connection	7 / 4 (A) = BK
Slot/position = Wire color or connection	8 / 4 (A) = VT
Slot/position = Wire color or connection	1-8 / 1 (+ 24 V) = BN
Slot/position = Wire color or connection	1-8 / 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	8x 0.34 mm ² (Signal line)
Conductor cross section	2x 0.75 mm ² (power line)
AWG signal line	22
AWG power supply	18
Conductor structure signal line	19x 0.15 mm
Conductor structure, voltage supply	42x 0.15 mm
Core diameter including insulation	1.3 mm ±0.1 mm (Signal line)
Core diameter including insulation	1.8 mm ±0.1 mm (power line)
Overall twist	Wires twisted in layers

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Technical data

Cable

External sheath, color	black RAL 9005
Inner sheath thickness	≥ 0.15 mm
Outer sheath thickness	≥ 0.38 mm
External cable diameter D	7.9 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	79 mm
Traversing path	2 m
Traversing rate	2 m/s
Cable weight	92 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)
Ambient temperature (operation)	-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
eCl@ss 9.0	27440108

ETIM

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

UNSPSC

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Classifications

UNSPSC

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

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized /

Approval details

UL Recognized s	
Nominal voltage UN	24 V
Nominal current IN	
mm ² /AWG/kcmil	

cUL Recognized s	
Nominal voltage UN	24 V
Nominal current IN	
mm ² /AWG/kcmil	

EAC s

cULus Recognized s

Accessories

Terminal marking

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Accessories

ZBF10:UNBEDRUCKT - 0809997



Labeled terminal marker

ZBF10 CUS - 0825031



Protective cap

PROT-M8 - 1682540



Torque tool

TSD 02 SAC - 1208487



Screwdriver tools

SAC BIT M8-D10 - 1208461



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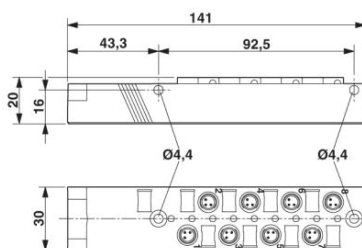
Accessories

SACC BIT M8-D12 - 1208474

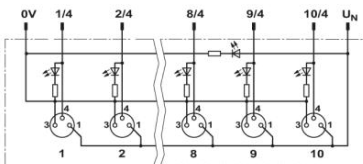


Drawings

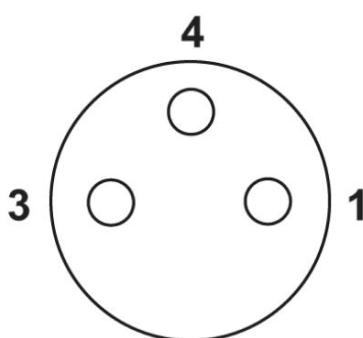
Dimensional drawing



Circuit diagram



Schematic diagram



M8 slot, socket, 3-pos.

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Cable cross section



PUR/PVC black [PUR]

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