

Sensor/actuator box - SACB-10/3-L-M16-M8 - 1516218

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Sensor/actuator box, Application: Standard, Connection method: M8 socket Metal, Number of slots: 10, Number of positions: 3, Slot assignment: single, Status indication: Yes, pnp; Master cable connection: M16 plug connection 90°, 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	4017918967147

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	10
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 per module Green LED
Local diagnostics	Status display I/O Yellow LED

Master cable data/connection data

Connection method	M16 plug connection
Tightening torque - master cable - plug connection	1.5 Nm

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Technical data

Master cable data/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 contact, master cable side	CU alloy
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) = P
Slot/position = Wire color or connection	2 / 4 (A) = J
Slot/position = Wire color or connection	3 / 4 (A) = T
Slot/position = Wire color or connection	4 / 4 (A) = S
Slot/position = Wire color or connection	5 / 4 (A) = G
Slot/position = Wire color or connection	6 / 4 (A) = R
Slot/position = Wire color or connection	7 / 4 (A) = E
Slot/position = Wire color or connection	8 / 4 (A) = O
Slot/position = Wire color or connection	9 / 4 (A) = C
Slot/position = Wire color or connection	10 / 4 (A) = N
Slot/position = Wire color or connection	1-10 / 1 (+24 V) = A+M
Slot/position = Wire color or connection	1-10 / 3 (0 V) = L+U

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

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

eCl@ss

eCl@ss 9.0	27440108
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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

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

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Accessories

Master cable, assembled

SAC-14P- 5,0-PUR/M16FR - 1693746



SAC-14P-10,0-PUR/M16FR - 1693759



SACC-M16FS-14CON-M - 1500554



SACC-M16FR-14CON-M - 1500253



Terminal marking

ZBF10:UNBEDRUCKT - 0809997



Labeled terminal marker

Sensor/actuator box - SACB-10/3-L-M16-M8 - 1516218

Accessories

ZBF10 CUS - 0825031



Protective cap

PROT-M8 - 1682540



Torque tool

TSD 02 SAC - 1208487



Screwdriver tools

SAC BIT M8-D10 - 1208461



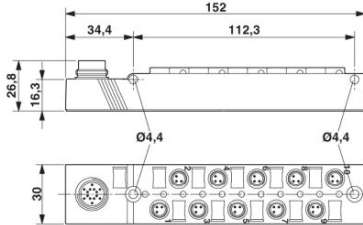
SACC BIT M8-D12 - 1208474



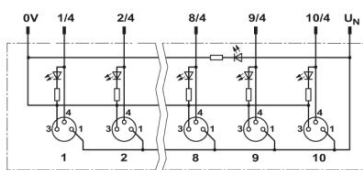
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Drawings

Dimensional drawing

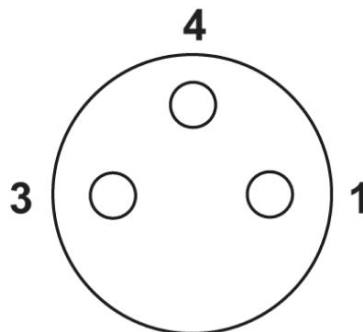


Circuit diagram



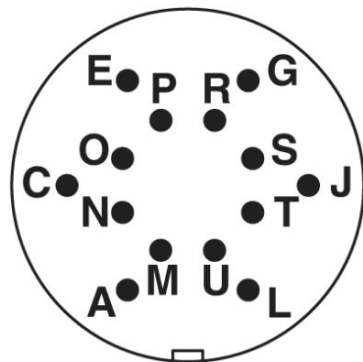
Further information can be found in the connection assignment section

Schematic diagram



M8 slot, socket, 3-pos.

Schematic diagram



M16 plug connection pin, 14-pos.

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