

**SACB- 6/3-L-M16-M8**

Order No.: 1516195

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1516195>Sensor/actuator box, M8 socket, 6 Slots, 3-position, Status indication:  
Yes, pnp 90°, Shielding: No

Commercial data	
GTIN (EAN)	4017918967123
sales group	D102
Pack	1 pcs.
Customs tariff	85366990
Weight/Piece	0.1197 KG
Catalog page information	Page 112 (PC-2009)

## Product notes

WEEE/RoHS-compliant since:  
02/27/2006

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Technical data	
<b>General data</b>	
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
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 per module Green LED
	Status display I/O Yellow LED

#### Master cable data

Type of connection	M16 plug connection
Tightening torque - master cable - plug connection	1.5 Nm
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 contact, master cable side	CU alloy
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) = P
	2 / 4 (A) = J
	3 / 4 (A) = T
	4 / 4 (A) = S
	5 / 4 (A) = G
	6 / 4 (A) = R
	1-6 / 1 (+ 24 V) = A+M
	1-6 / 3 (0 V) = L+U

**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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**Accessories**

Item	Designation	Description
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**Marking**

0809984	ZBF10:SO/CMS	Zack marker strip, flat, in 10 mm pitch, labeled according to customer specifications, 10-section, divisible, color: White
0809997	ZBF10:UNBEDRUCKT	Zack marker strip, flat, in 10 mm pitch, unprinted, 10-section, for individual labeling with M-PEN 0,8, X-PEN, or CMS-P1-PLOTTER

**Protection and sealing elements**

1682540	PROT-M8	An M8 screw plug for the unoccupied M8 sockets of the sensor/ actuator cable, boxes and flush-type connectors
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**Socket**

1693704	SAC-10P- 5,0-PUR/M16FR	Master cable, 6 Slots, 10-position, Status indication: No, PUR/ PVC, Cable length: 5 m, Shielding: No
1693717	SAC-10P-10,0-PUR/M16FR	Master cable, 6 Slots, 10-position, Status indication: No, PUR/ PVC, Cable length: 10 m, Shielding: No
1500253	SACC-M16FR-14CON-M	M16 socket, 14-pos., with solder connection, freely configurable, angled, for a 6.0 mm conductor diameter ... 8.0 mm
1500554	SACC-M16FS-14CON-M	M16 socket, 14-pos., with solder connection, freely configurable, straight, for a 6.0 mm conductor diameter ... 8.0 mm

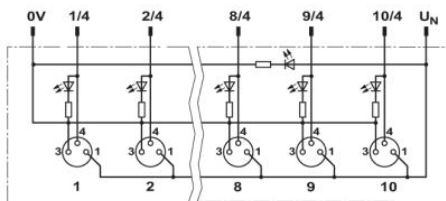
**Tools**

1208461	SAC BIT M8-D10	Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
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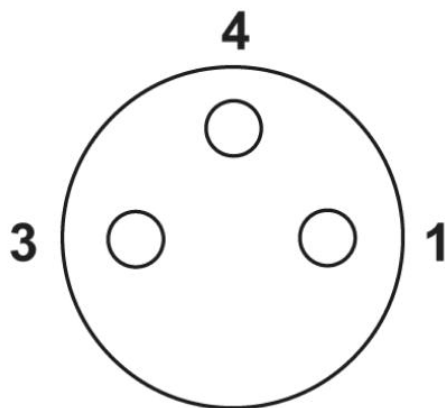
1208474	SACC BIT M8-D12	Nut for assembling SACC M8 connectors for free assembly with longitudinal knurl, excluding M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
1208487	TSD 02 SAC	Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

**Diagrams/Drawings**

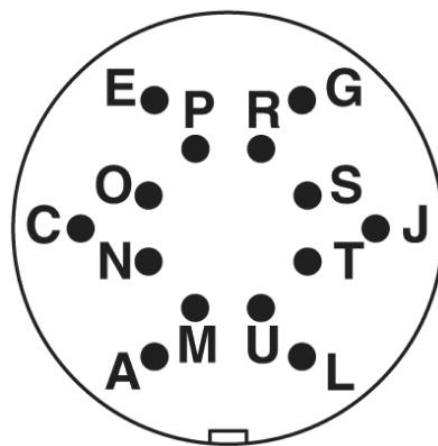
Circuit diagram



Schematic diagram



M8 slot, socket, 3-pos.



M16 plug connection pin, 14-pos.

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