


SACC-M 8FS-3PCON

Order No.: 1506778



Sensor/actuator connector, female, straight, 3-pos., M8, Piercecon[®],
metal knurl, cable diameter max. 5 mm

Commercial data

EAN	 4 017918 892692
Pack	1
Customs tariff	85366990
Country of Origin	DE
Catalog page information	Page 69 (PC-2011)

Product notes

WEEE/RoHS-compliant since:
20/12/2005



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Technical data**General data**

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Volume resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ

Ambient temperature (operation)	-25 °C ... 85 °C (Male connector / female connector)
General characteristics	
Standards/regulations	M8 connector IEC 61076-2-104
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP68
Torque	0.5 Nm (Pressure nut with coupling sleeve) 0.8 Nm (Connector with coupling sleeve) 0.2 Nm (M8 knurl)
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	PA 66
Material, knurls	Nickel-plated brass
Sealing material	NBR
Connection method	Piercecon [®] fast connection
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	0.38 mm ²
Conductor cross section AWG/kcmil min.	22
Conductor cross section AWG/kcmil max	26
Wire diameter including insulation	1 mm ... 1.3 mm (Black wire clamping for 0.14 mm ² ... 0.25 mm ²) 1.3 mm ... 1.6 mm (White wire clamping for 0.25 mm ² ... 0.38 mm ²)
External cable diameter	3 mm ... 5 mm
Status display	No

Certificates



Certification

GOST

Accessories

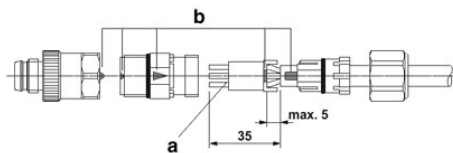
Item	Designation	Description
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Tools

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

Drawings

Functional drawing



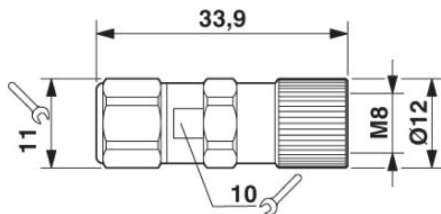
Assembly steps for M8 plug connector with Piercecon[®] connection

a = Cut flush

b = Coding

Strip the conductor by approx. 35 mm and slide on the union nut and cable clamp type cage. Without stripping the insulation of the individual cores, guide them into the corresponding chamber of the elastic core clamping and cut them off flush on the contact side. The coding marks must be flush when mounted.

Dimensioned drawing



Socket M8 x 1, straight

Schematic diagram

Pin assignment M8 socket, 3-pos., view female side

