

SACC-M12FR-5CON-PG 9-SH

Order No.: 1430433



Sensor/actuator connector, socket, angled, 5-pos., M12 shielded, A-coded, screw connection, metal knurl, cable gland Pg9

Commercial data

EAN	 4 046356 322706
Pack	1
Customs tariff	85444290
Catalog page information	Page 51 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
2007-11-19



Technical data

General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Ambient temperature (operation)	-40 °C ... 85 °C (Male connector / female connector)

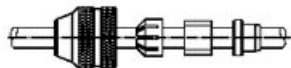
General characteristics

Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Nickel-plated brass
Sealing material	NBR
Type of connection	Screw connection
Conductor cross section stranded min.	0.25 mm ²
Conductor cross section stranded max.	0.75 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	18
External cable diameter	6 mm ... 8 mm
Status display	No

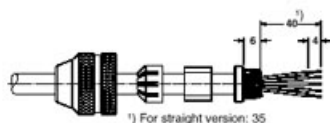
Drawings

Functional drawing

Assembly steps for M 12 male/female connector and conductor

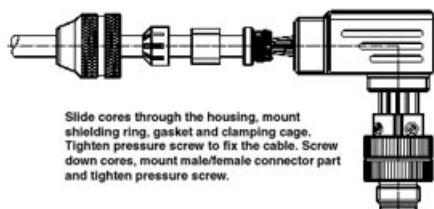


Slide parts onto the conductor



1) For straight version: 35

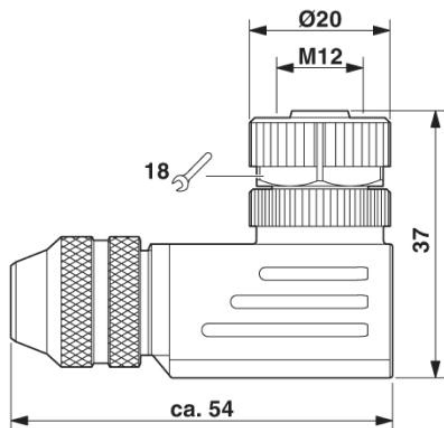
Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh.



Slide cores through the housing, mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores, mount male/female connector part and tighten pressure screw.

Dimensioned drawing

M12 x 1 female connector, angled, shielded



Schematic diagram

Pin assignment M12 socket, 5-pos., A-coded, socket side view

