


SACC-M12MR-4CON-PG7

Order No.: 1681091

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1681091>

Sensor/actuator connector, male, angled, 4-pos., M12, A-coded, screw connection, plastic knurl, cable screw connection Pg7

Commercial data	
GTIN (EAN)	 4 017918 157494
sales group	D120
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 70 (PC-2011)

Product notes

WEEE/RoHS-compliant since:
11/23/2005



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Technical data**General data**

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ

Ambient temperature (operation)	-25 °C ... 80 °C (Male connector / female connector)
	-5 °C ... 50 °C (when the conductor is connected)

General characteristics

Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/67
Torque	0.4 Nm (M12 knurl)
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	PA 66
Material, knurls	Plastic
Sealing material	NBR
Connection method	QUICKON fast connection
Conductor cross section stranded min.	0.34 mm ²
Conductor cross section stranded max.	0.75 mm ²
Conductor cross section AWG/kcmil min.	22
Conductor cross section AWG/kcmil max	18
Wire diameter including insulation	1.3 mm ... 2.6 mm
Frequency of connections between conductors of the same cross section	10
External cable diameter	4 mm ... 8 mm
Wire insulation material	PVC / PE
Tightening torque, union nut	1.2 Nm
Wrench size, union nut	15 mm
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Status display	No

Certificates / Approvals



Certification

CUL, GOST, UL

Accessories

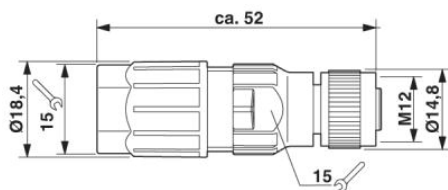
Item	Designation	Description
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Tools

1641992	QSS 15	Allen wrench, for loosening and fastening the QUICKON union nut, WAF 15 mm
1208432	SAC BIT M12-D15	Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
1208429	TSD 04 SAC	Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors
1212224	TSD-M 1,2NM	Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm
1212600	TSD-M SAC-BIT ADAPTER	Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

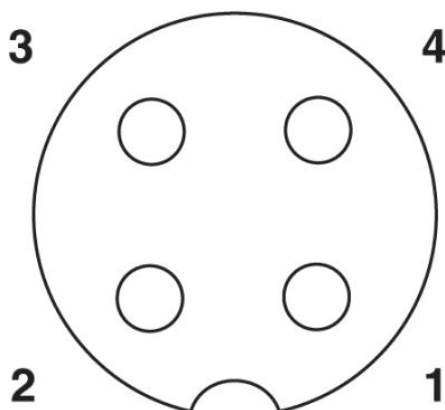
Diagrams/Drawings

Dimensioned drawing



M12 x 1 female connector, straight

Schematic diagram



Pin assignment M12 socket, 4-pos., A-coded, view female side

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