

SACC-FS-12PCON SCO


Order No.: 1559631

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Sensor/actuator connector, female connector, straight, 12-pos., M12 SPEEDCON, metal knurl, Piercecon[®], maximum cable diameter of 8.2 mm



Commercial data

EAN	 4 046356 314848
sales group	D118
Pack	1 Pcs.
Customs tariff	85366990
Gross weight in pieces	0.0355 KG
Net weight per piece	0.0355 KG
Catalog page information	Page 19 (C-4-2013)

Product notes

WEEE/RoHS-compliant since:
09/07/2007



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Technical data

Dimensions

Wrench size, union nut	13 mm
External diameter	5.4 mm ... 8.2 mm
Stripping length of the sheath	≥ 60 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

General

Rated current at 40°C	1.5 A
Rated voltage	30 V
Number of positions	12
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Piercecon® fast connection
Conductor cross section	0.14 mm ²
AWG conductor cross section	26
Wire diameter including insulation	0.95 mm ... 1.05 mm
Frequency of connections between conductors of the same cross section	≥ 5
Wire insulation material	PUR/PVC
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 Class 6
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)

Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM

Certificates / Approvals



Certification GOST

Certifications applied for:

Certification Ex:

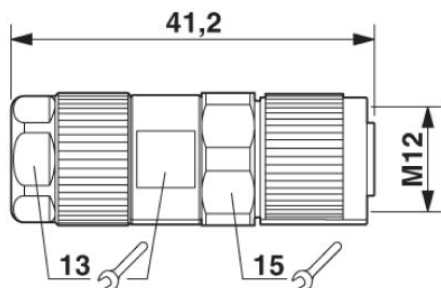
Accessories

Item	Designation	Description
Cable/conductor		
1441532	SAC-12P-100,0-PVC/0,14	Sensor/Actuator cable, 12-position, PVC, Black RAL 9005, free cable end, on free cable end, Cable length: 100 m
Protection and sealing elements		
1430899	PROT-M12 MS-PA-CHAIN	M12 sealing cap with fixing band, for sensor cables, for free M12 sockets
Tools		
1212487	MICROFOX-SP-1	Electronic diagonal cutter, tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version
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

Drawings

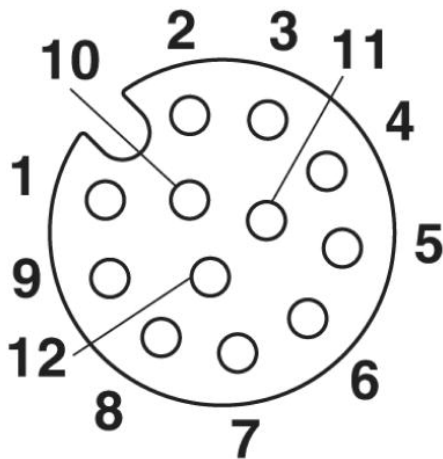
Dimensioned drawing

M12 x 1 socket, straight



Schematic diagram

Pin assignment M12, 12-pos., female side view



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