

SACC-MS-12PCON SCO

Order No.: 1559592



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



Commercial data

EAN	 4 046356 314855
Pack	1
Customs tariff	85366990
Catalog page information	Page 112 (NTK-2010)

Product notes

WEEE/RoHS-compliant since:
2010-02-25



Technical data

General data

Rated current at 40°C	1.5 A
Rated voltage	30 V
Number of positions	12
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Ambient temperature (operation)	-25 °C ... 85 °C (Male connector / female connector)

General characteristics

Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Inflammability class acc. 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
Type of connection	Piercecon® fast connection
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section AWG/kcmil min.	26
Wire diameter including insulation	0.95 mm ... 1.05 mm
Frequency of connections between conductors of the same cross section	≥ 5
External diameter	5.4 mm ... 8.2 mm
Wire insulation material	PVC
Wrench size, union nut	13 mm
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 Class 6

Accessories

Item	Designation	Description
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Cable specification

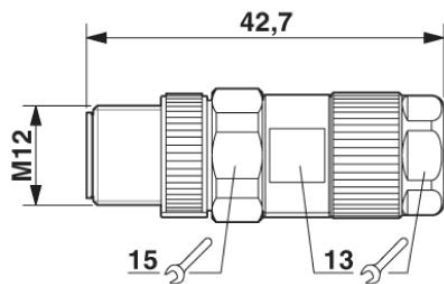
1441532	SAC-12P-100,0-PVC/0,14	Sensor/Actuator cable, 12-position, PVC, Black RAL 9005, Free conductor end, on Free conductor end, Cable length: 100 m
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Tools

1212487	MICROFOX-SP-1	Electronic diagonal cutter, tapered head, angled (21 degrees), without chamfer, with opening spring, non-reflective phosphate-treated surface
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

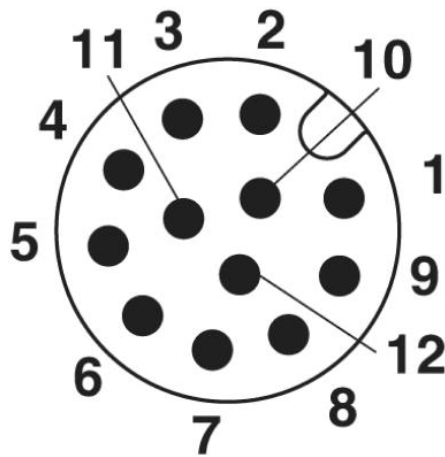
Drawings

Dimensioned drawing



M12 x 1 male connector, straight

Schematic diagram



Pin assignment M12 male connector, 12-pos., male side view