

Plug-in connector - SACC-M12MS-5SC M - 1508187

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Plug-in connector, 5-position, Plug straightLink:M12, A-coded, Spring-cage conn., Knurl material: Zinc die-cast, nickel-plated, External cable diameter 4 mm ... 8 mm

Product Features

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Flexible: plug-in connectors for on-site assembly
- ✓ Spring-cage connection: connect more securely, even in the case of shock and vibration, thanks to high contact forces



Key commercial data

Packing unit	1 PCE
Catalog page	Page 267 (AX-2011)
GTIN	 4 017918 945930
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	≤ 8 mΩ
Insulation resistance	≥ 100 MΩ
Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)

General characteristics

Standards/regulations	M12 plug-in connector IEC 61076-2-101
Coding	A - standard

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Technical data

General characteristics

Surge voltage category	II
Pollution degree	3
Degree of protection	IP65
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
Torque	0.4 Nm (Connector with coupling sleeve)
Torque	1.5 Nm (Pressure nut with coupling sleeve)
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	PA 66
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	Neoprene
Connection method	Spring-cage conn.
Conductor cross section	0.14 mm ² ... 0.5 mm ²
AWG conductor cross section	26 ... 20
External cable diameter	4 mm ... 8 mm
Status display	No
Stripping length of the sheath	28 mm
Stripping length of the individual wire	10 mm

Classifications

ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062
ETIM 4.0	EC002062
ETIM 5.0	EC002062

UNSPSC

UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501
UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501

eCl@ss

eCl@ss 4.0	27140815
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Classifications

eCl@ss

eCl@ss 4.1	27140815
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27279221
eCl@ss 7.0	27440104

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized	
Nominal current I _N	4 A
Nominal voltage U _N	125 V

cUL Recognized	
Nominal current I _N	4 A
Nominal voltage U _N	125 V

cULus Recognized	
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Accessories

Accessories

Cable/conductor

Sensor/Actuator cable - SAC-5P-100,0-PUR/0,34 - 1501676



Cable ring, PUR halogen-free black, 5-pos., conductor colors: Brown/white/blue/black/green-yellow, cable length: 100 m

Protection and sealing elements

Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873

M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 sockets



Tools

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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Accessories

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

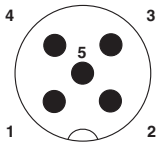
Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

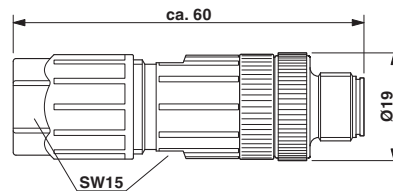
Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

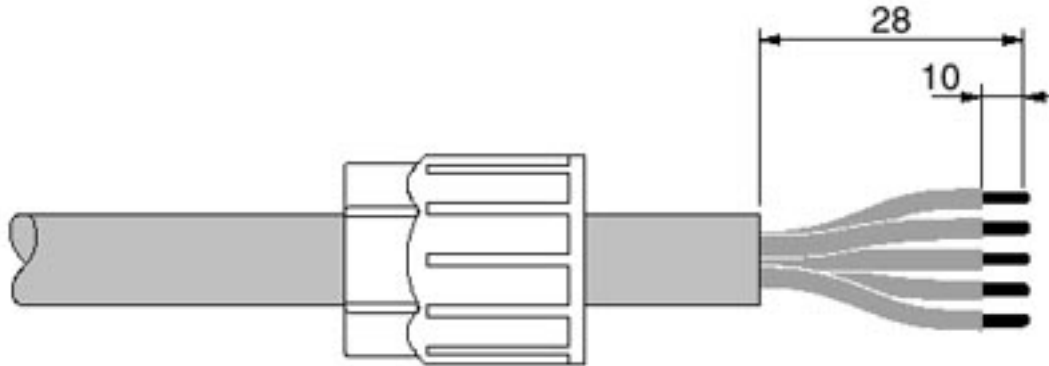
Dimensioned drawing



M12 x 1 plug, straight

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Functional drawing



Strip 28 mm off the cable, 35 mm in the case of the angled version, strip single wires, push the pressure nut onto the cable. Slide the wires through the sleeve housing and connect, screw sleeve housing to the plug insert, screw the pressure nut tight.