

Connector - SACC-M12MSS-3PECON-PG11-M - 1404641

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Connector, 4-position, Plug straight M12, S-coded, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg11, External cable diameter 8 mm ... 10 mm

Product Features

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Flexible: connectors for on-site assembly
- ✓ Screw connection: proven connection technology for a large selection of different conductors
- ✓ High-performance: AC connectors for up to 12 A and 630 V AC
- ✓ Protection against incorrect connection using special S-coding



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	20.0 GRM
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

External diameter	8 mm ... 10 mm
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Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

General

Note	Strip 21 mm off the cable sheath, strip 6 mm off the conductor insulation, crimp the ferrule, then shorten this to 5 mm. Conductor length with shortened ferrule: 20 mm. Connect conductors and tighten the mounting screws with 0.2 Nm.
Rated current at 40°C	12 A

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Technical data

General

Rated voltage	630 V
Number of positions	4
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$> 10 \text{ G}\Omega$
Coding	S power
Status display	No
Surge voltage category	III
Pollution degree	3
Connection method	Screw connection
Conductor cross section	$0.75 \text{ mm}^2 \dots 1.5 \text{ mm}^2$
AWG conductor cross section	18 ... 16
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	1 Nm ... 1.4 Nm (Pressure nut with coupling sleeve)
	0.4 Nm (Connector with coupling sleeve)
	0.2 Nm (Screw terminal blocks)
Assembly instructions	The wires can be connected both with ferrules and without ferrules

Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 46
Material of grip body	PA 66
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR (Cable clamping)

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27279221
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104

Connector - SACC-M12MSS-3PECON-PG11-M - 1404641

Classifications

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002062
ETIM 5.0	EC002062

UNSPSC

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

Accessories

Accessories

Connector

Ferrule - Al 1,5 - 6 BK - 3200755



Ferrule, Length: 12 mm, Color: black

Crimping tool

Crimping pliers - CRIMPFOX 6H - 1212046



Crimping pliers, for ferrules according to DIN 46228, 0.14 - 6 mm², pressure lock can be unlocked, lateral entry

Screwdriver tools

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Accessories

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

Stripping tool

Stripping tool - WIREFOX 6SC - 1212158



Stripping tool, for cables and conductors (especially for cables protected against short circuits and ground leakages) 1.5 - 6 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade

Torque tool

Torque screwdriver - TSD 04 SAC - 1208429



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

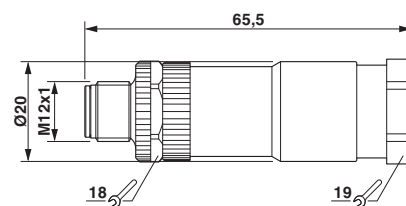
Drawings

Schematic diagram



Connector pin assignment of M12 plug, 4-pos., S-coded, view of pin side

Dimensioned drawing



M12 x 1 plug, straight