

## 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 PCE
GTIN	 4 046356 707725
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
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## Technical data

### General

	shortened ferrule: 20 mm. Connect conductors and tighten the mounting screws with 0.2 Nm.
Rated current at 40°C	12 A
Rated voltage	630 V
Number of positions	4
Contact resistance	≤ 3 mΩ
Insulation resistance	> 10 GΩ
Coding	S power
Signal type/category	Universal
Status display	No
Surge voltage category	III
Pollution degree	3
Connection method	Screw connection
Conductor cross section	0.75 mm² ... 1.5 mm²
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

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002062
ETIM 5.0	EC002062

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## Classifications

### 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	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

## Accessories

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#### 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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Stripping tool - WIREFOX 6SC - 1212158



Stripping tool, for cables and conductors (especially for cables protected against short circuits and ground leakages) 1.5 - 6 mm<sup>2</sup>, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm<sup>2</sup> stranded/1.5 mm<sup>2</sup> solid, replaceable stripping blade

Crimping pliers - CRIMPFOX 6H - 1212046



Crimping pliers, for ferrules according to DIN 46228, 0.14 - 6 mm<sup>2</sup>, pressure lock can be unlocked, lateral entry

Ferrule - AI 1,5 - 6 BK - 3200755



Ferrule, Length: 12 mm, Color: black

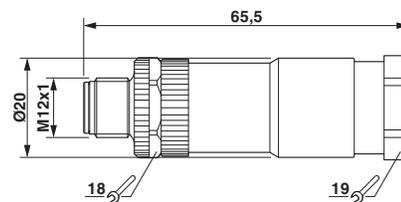
## Drawings

Schematic diagram



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

Dimensioned drawing



M12 x 1 plug, straight