

## Connector - SACC-M12MST-3PECON-PG11-M - 1404643

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Connector, 4-position, Plug straight M12, T-coded, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg11, External cable diameter 8 mm ... 10 mm, for direct current up to 12 A/60 V, Contact 4 leading

### 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: DC connectors for up to 12 A and 60 V DC
- Protection against incorrect connection using special T-coding



### Key Commercial Data

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

### Technical data

#### Dimensions

External cable 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 22 mm off the cable sheath, strip 7 mm off the conductor insulation, crimp the ferrule, then shorten this to 5 mm. Length of conductor with shortened ferrule: 20 mm. Connect conductors and tighten the mounting screws with 0.2 Nm.
Rated current at 40°C	12 A (When using 1.5 mm <sup>2</sup> conductors)

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## Technical data

### General

Rated voltage	63 V DC
Number of positions	4
Insulation resistance	> 10 GΩ
Coding	T power
Standards/regulations	IEC 61076-2-111
Status display	No
Overvoltage category	III
Degree of pollution	3
Connection method	Screw connection
Conductor cross section	0.75 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG	18 ... 16
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl) 1 Nm ... 1.4 Nm (Pressure nut with coupling sleeve)
	Screw plug insert with sleeve housing as far it will go
	0.2 Nm (Screw terminal blocks)
Assembly instructions	The wires can be connected both with ferrules and without ferrules

### Material

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

### Standards and Regulations

Standards/regulations	IEC 61076-2-111
Flammability rating according to UL 94	V0

## Classifications

### eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423

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## Classifications

### eCl@ss

eCl@ss 6.0	27279221
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

### 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

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / EAC / EAC

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

UL Recognized 
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### Approvals

cUL Recognized 

EAC

EAC

### Accessories

#### Accessories

#### Connector

Ferrule - A 1,5 - 7 - 3200263



Ferrule, Length: 7 mm, Color: silver

#### Crimping tool

Crimping pliers - CRIMPFOX 6H - 1212046



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm<sup>2</sup> ... 6 mm<sup>2</sup>, unlockable pressure lock, lateral entry

#### Protective cap

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

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



#### Screwdriver tools

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## Accessories

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

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## 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 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

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## Torque tool

Torque screwdriver - TSD 04 SAC - 1208429

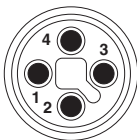


Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

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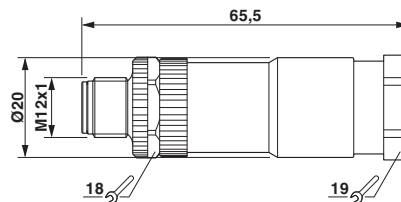
## Drawings

Schematic diagram



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

Dimensional drawing



M12 x 1 plug, straight

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