Connector - SACC-M12FST-3PECON-PG11-M - 1404644

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://download.phoenixcontact.com)



Connector, 4-position, Socket straight M12, T-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: 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 PCE
GTIN	4 046356 707756
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

Dimensions

External diameter	8 mm ... 10 mm

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

Connector - SACC-M12FST-3PECON-PG11-M - 1404644

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	60 V
Number of positions	4
Contact resistance	≤ 3 mΩ
Insulation resistance	> 10 GΩ
Coding	T 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	Viton (M12 socket)

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701

Connector - SACC-M12FST-3PECON-PG11-M - 1404644

Classifications

eCl@ss

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

ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062
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

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

---

Connector - SACC-M12FST-3PECON-PG11-M - 1404644

Accessories

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

Crimping pliers - CRIMPFOX 6H - 1212046



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

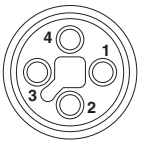
Ferrule - A 1,5 - 7 - 3200263



Ferrule, Length: 7 mm, Color: silver

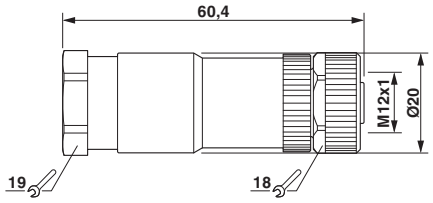
Drawings

Schematic diagram



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

Dimensioned drawing



M12 x 1 socket, straight

© Phoenix Contact 2013 - all rights reserved
http://www.phoenixcontact.com