PHŒNIX CONTACT

Connector - SACC-M12FRT-4CON-PG11-M - 1408989

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Connector, 4-position, Socket angled 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

Why buy this product

☑ 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
GTIN	4 046356 862394
Weight per Piece (excluding packing)	29.85 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

External diameter	8 mm ... 10 mm

Ambient conditions

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
Rated voltage	63 V DC
Number of positions	4

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Technical data

General

Contact resistance	≤ 3 mΩ
Insulation resistance	> 10 GΩ
Coding	T power
Standards/regulations	IEC 61076-2-111
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
Material of grip body	PA
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	Viton (M12 socket)
	NBR (Cable clamping)

Classifications

eCl@ss

eCl@ss 4.0	27140815
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
eCl@ss 8.0	27440104

ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062

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Classifications

ETIM

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

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized	
Nominal current IN	4 A
Nominal voltage UN	60 V

cUL Recognized	
Nominal current IN	4 A
Nominal voltage UN	60 V

EAC

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Approvals

cULus Recognized

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 mm² ... 6 mm², unlockable pressure lock, lateral entry

Protective cap

Screw plug - PROT-M12 MS-PA-CHAIN - 1430899

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

Screwdriver tools

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

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
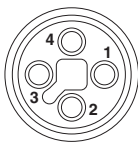
Torque tool

Torque screwdriver - TSD 04 SAC - 1208429

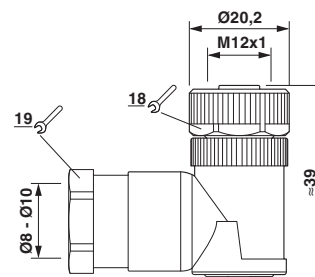Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Drawings

Schematic diagram

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

Dimensioned drawing

M12 x 1 socket, straight