

# Power connectors - SACC-M12FRT-4CON-PG11-M - 1408989

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://phoenixcontact.com/download>)




Power connectors, 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

## 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 STK
GTIN	 4 046356 862394
GTIN	4046356862394

## Technical data

### Dimensions

Wrench size, union nut	19 mm
External cable diameter	8 mm ... 10 mm
Stripping length of the individual wire	5 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 (when using 1.5 mm <sup>2</sup> conductors)
	12 A (at 40 °C)

# Power connectors - SACC-M12FRT-4CON-PG11-M - 1408989

## 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 screw with sleeve housing) 0.4 Nm (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	Viton (M12 socket) NBR (Cable clamping)

### Cable

Standards/specifications	IEC 61076-2-111
--------------------------	-----------------

### Standards and Regulations

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

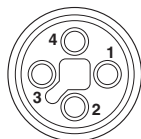
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

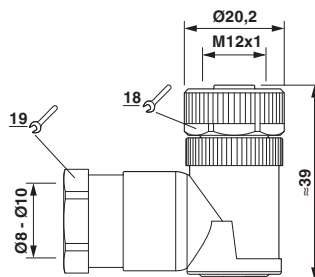
# Power connectors - SACC-M12FRT-4CON-PG11-M - 1408989

Schematic diagram



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

Dimensional drawing



M12 x 1 socket, straight

## Approvals

### Approvals

Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

### Approval details

EAC		7500651.22.01.00246
-----	--	---------------------


UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
mm <sup>2</sup> /AWG/kcmil	16		
Nominal current I <sub>N</sub>	12 A		
Nominal voltage U <sub>N</sub>	60 V		

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
mm <sup>2</sup> /AWG/kcmil	16		
Nominal current I <sub>N</sub>	12 A		

## Power connectors - SACC-M12FRT-4CON-PG11-M - 1408989

### Approvals

Nominal voltage UN	60 V
--------------------	------

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>
------------------	---	---

Phoenix Contact 2017 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>