

# SACC-M12FSS-3PECT-CM SH - Power connector



1027469

<https://www.phoenixcontact.com/us/products/1027469>

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 documentation. Our general terms of use for downloads are valid.



Power connector, Power, 4-position, shielded, Socket straight M12, coding: S, Crimp connection, knurl material: Zinc die-cast, tin-plated, external cable diameter 6.5 mm ... 11 mm, without crimp contacts

## Your advantages

- Extremely compact, thanks to the small wiring space and high contact density
- Safely shielded: reliable shield connection even under extreme mechanical strain
- Robust connection: suitable for railway applications with high shock and vibration loads
- High-performance: AC connectors for up to 12 A and 690 V AC
- Protected seal in the M12 socket
- Protection against incorrect connection using special S-coding

## Commercial data

Item number	1027469
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF34
Product key	BF2CJB
Catalog page	Page 279 (C-2-2019)
GTIN	4055626520575
Weight per piece (including packing)	48.8 g
Weight per piece (excluding packing)	47 g
Customs tariff number	85366990
Country of origin	DE

# SACC-M12FSS-3PECT-CM SH - Power connector



1027469

<https://www.phoenixcontact.com/us/products/1027469>

## Technical data

### Notes

#### General

**NOTE:** Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.

### Product properties

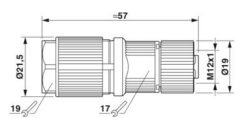
Product type	Circular connector (cable-side)
Sensor type	Power
Number of positions	4
Application	Power supply
No. of cable outlets	1
Shielded	yes
Coding	S
Cable outlet	straight

#### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

#### Dimensional drawing



#### Length

57 mm

#### External dimensions

Outside diameter	6.5 mm ... 11 mm
------------------	------------------

#### Housing

Diameter housing	21.5 mm
------------------	---------

### Material specifications

Flammability rating according to UL 94	V0
Material of grip body	Zinc die-cast, nickel-plated
Contact carrier material	PA
Material for screw connection	Zinc die-cast, tin-plated

### Connection data

#### Conductor connection

Connection method	Crimp connection
-------------------	------------------

# SACC-M12FSS-3PECT-CM SH - Power connector



1027469

<https://www.phoenixcontact.com/us/products/1027469>

Connection cross section	1.5 mm² ... 2.5 mm² (flexible)
Connection cross section AWG	14 (flexible)
Tightening torque	0.6 Nm (M12 knurl)
	5 Nm (Pressure nut with coupling sleeve)

## Pin assignment

Contact   Color (signal designation)   Contact (optional)	1 = BK1
	2 = BK2
	3 = BK3
	PE = GNYE

## Electrical properties

Rated surge voltage	6 kV
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	690 V AC
Nominal current I <sub>N</sub>	12 A (when using 1.5 mm² conductors)
	12 A (at 40 °C)

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	-------

## Connector

### Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	S

## Cable/line

Signal type/category	Power
----------------------	-------

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)

## Standards and regulations

Standard designation	M12 connector
Standards/specifications	based on IEC 61076-2-111

# SACC-M12FSS-3PECT-CM SH - Power connector



1027469

<https://www.phoenixcontact.com/us/products/1027469>

## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### ETIM

ETIM 9.0	EC002635
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# SACC-M12FSS-3PECT-CM SH - Power connector



1027469

<https://www.phoenixcontact.com/us/products/1027469>

## Environmental product compliance

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

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)