

# SAC-3P- 7,0-PUR/M12FRS PE DMG - Power cable



1421981

<https://www.phoenixcontact.com/us/products/1421981>

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 cable, 3-position, PUR, black, free cable end, on Socket angled M12, coding: S, cable length: 7 m, for AC current up to 16 A/230 V

## Your advantages

- Easy and safe: 100 % electrically tested plug-in components
- Protection against incorrect connection using special S-coding
- Save time, thanks to installation with SPEEDCON fast locking system

## Commercial data

Item number	1421981
Packing unit	1 pc
Minimum order quantity	10 pc
Product key	AF1CBB
GTIN	4055626390376
Weight per piece (including packing)	533 g
Weight per piece (excluding packing)	532.7 g
Country of origin	PL

1421981

<https://www.phoenixcontact.com/us/products/1421981>

## Technical data

### Product properties

Product type	Power cable
Application	Energy supply
Number of positions	3
No. of cable outlets	1
Shielded	no
Coding	S

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Material specifications

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

### Electrical properties

Insulation resistance	> 100 MΩ
Nominal voltage $U_N$	230 V AC
	230 V DC
Nominal current $I_N$	16 A

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	> 100
-----------------------------	-------

### Connector

#### Connection 1

Type	free cable end
------	----------------

#### Connection 2

Type	Socket angled M12
Coding type	S (Power)

### Cable/line

Cable length	7 m
Number of positions	3
Shielded	no

# SAC-3P- 7,0-PUR/M12FRS PE DMG - Power cable



1421981

<https://www.phoenixcontact.com/us/products/1421981>

Outer sheath, material	PUR
External sheath, color	black

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
	IP67 (without preloading, as additional test in accordance with IEC 60529)
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 105 °C (Plug / socket)

# SAC-3P- 7,0-PUR/M12FRS PE DMG - Power cable

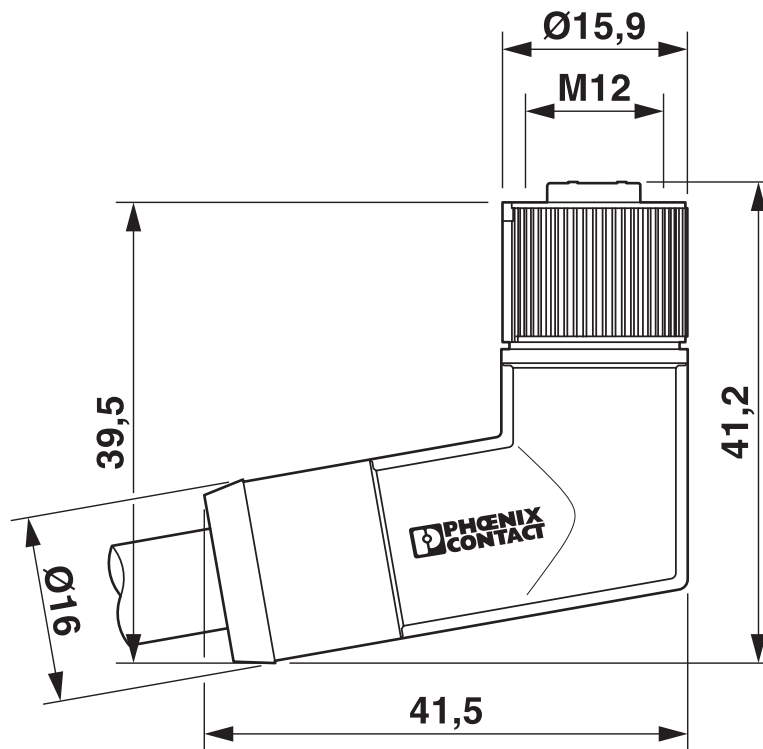


1421981

<https://www.phoenixcontact.com/us/products/1421981>

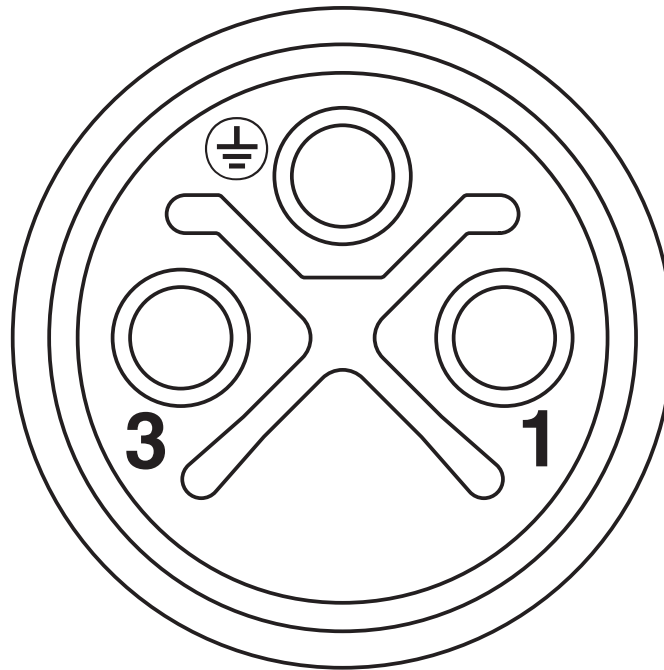
## Drawings

Dimensional drawing



M12 x 1 socket, angled

Schematic diagram



Pin assignment of M12 socket, 3-pos., S-coded, socket side view

# SAC-3P- 7,0-PUR/M12FRS PE DMG - Power cable



1421981

<https://www.phoenixcontact.com/us/products/1421981>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1421981>

 <b>UL Listed</b> Approval ID: FILE E 468743				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	300 V	12 A	- 16	- 16

 <b>cUL Listed</b> Approval ID: FILE E 468743				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	300 V	12 A	- 16	-

# SAC-3P- 7,0-PUR/M12FRS PE DMG - Power cable



1421981

<https://www.phoenixcontact.com/us/products/1421981>

## Classifications

### ECLASS

ECLASS-13.0	27060327
ECLASS-15.0	27060327

### ETIM

ETIM 10.0	EC001855
-----------	----------

### UNSPSC

UNSPSC 21.0	26121600
-------------	----------

# SAC-3P- 7,0-PUR/M12FRS PE DMG - Power cable



1421981

<https://www.phoenixcontact.com/us/products/1421981>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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)