

SAC-3P- 3,0-PVC/M12FRS PE DMG1 - Power cable



1423359

<https://www.phoenixcontact.com/us/products/1423359>

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, PVC, black, cable length: 3 m, Customer version

Commercial data

Item number	1423359
Packing unit	1 pc
Minimum order quantity	10 pc
Product key	AF1CBB
GTIN	4055626347257
Weight per piece (including packing)	282.3 g
Weight per piece (excluding packing)	282.3 g
Country of origin	DE

SAC-3P- 3,0-PVC/M12FRS PE DMG1 - Power cable



1423359

<https://www.phoenixcontact.com/us/products/1423359>

Technical data

Product properties

Product type	Power cable
Number of positions	3

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

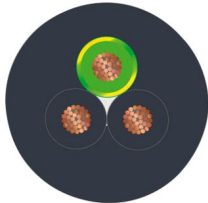
Electrical properties

Nominal voltage U_N	230 V AC
	230 V DC
Nominal current I_N	12 A

Cable/line

Cable length	3 m
--------------	-----

PVC black [PVC]

Dimensional drawing	
Cable weight	80 kg/km
UL AWM Style	2517 (105 °C / 300 V)
Number of positions	3
Shielded	no
Cable type	PVC black [PVC]
Conductor structure, voltage supply	30x 0.25 mm
AWG power supply	16
Conductor cross-section	3x 1.5 mm ²
Wire diameter incl. insulation	2.4 mm ±0.1 mm
External cable diameter	6.80 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	black
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
Max. conductor resistance	≤ 13.3 Ω/km (at 20 °C)

SAC-3P- 3,0-PVC/M12FRS PE DMG1 - Power cable



1423359

<https://www.phoenixcontact.com/us/products/1423359>

Insulation resistance	≥ 10 MΩ*km (at 20 °C)
Nominal voltage, cable	300 V AC
Test voltage	2000 V AC
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	12 x D
Smallest bending radius, fixed installation	34 mm
Smallest bending radius, movable installation	82 mm
Flame resistance	according to IEC 60332-1
	According to DIN EN 60332-1-2
	According to VW-1
	According to FT1
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 90 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67 (without preloading, as additional test in accordance with IEC 60529)

SAC-3P- 3,0-PVC/M12FRS PE DMG1 - Power cable



1423359

<https://www.phoenixcontact.com/us/products/1423359>

Classifications

ECLASS

ECLASS-13.0	27060327
ECLASS-15.0	27060327

UNSPSC

UNSPSC 21.0	31251501
-------------	----------

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