

1416581

<https://www.phoenixcontact.com/us/products/1416581>

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, yellow, Plug straight 7/8"-16UNF, on Socket straight 7/8"-16UNF, cable length: 2 m

Your advantages

- Easy and safe: 100 % electrically tested plug-in components

Commercial data

Item number	1416581
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF1IMA
GTIN	4055626221472
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	MX

SAC-3P-MINMS/ 2,0-547/MINFS - Power cable



1416581

<https://www.phoenixcontact.com/us/products/1416581>

Technical data

Notes

Trade restriction

CE note	The products are offered exclusively for export outside the EU and the European Economic Area.
---------	--

Product properties

Product type	Sensor/actuator cable
Application	Standard
Number of positions	3
No. of cable outlets	1
Shielded	no
Coding	A

Material specifications

Flammability rating according to UL 94	V0
Material of grip body	PVC
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PVC
Material for screw connection	Anodized aluminum

Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	300 V AC
	300 V DC
Nominal current I_N	13 A

Mechanical properties

Mechanical data

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

Signaling

Status display	No
Status display present	No

Connection data

Conductor connection

Tightening torque	10 lb _f -in.
	1.12 Nm

Connector

SAC-3P-MINMS/ 2,0-547/MINFS - Power cable



1416581

<https://www.phoenixcontact.com/us/products/1416581>

Connection 1

Type	Plug straight 7/8"-16UNF
Number of positions	3

Connection 2

Type	Socket straight 7/8"-16UNF
Number of positions	3

Cable/line

Cable length	2 m
--------------	-----

CMX-OUTDOOR-CMG [547]

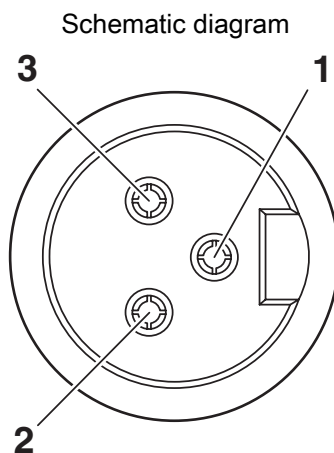
Number of positions	3
Shielded	no
Cable type	CMX-OUTDOOR-CMG [547]
Conductor cross section	3 x AWG 18
External cable diameter	5.70 mm
Outer sheath, material	PVC
External sheath, color	yellow
Conductor material	Bare Cu litz wires
Single wire, color	black 1, brown 2, blue 3
Nominal voltage, cable	300 V
Flame resistance	UL 1581, FT4
Other resistance	UV resistant (720 h) (UL 2556)
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-30 °C ... 105 °C (Cable, flexible installation)

Environmental and real-life conditions

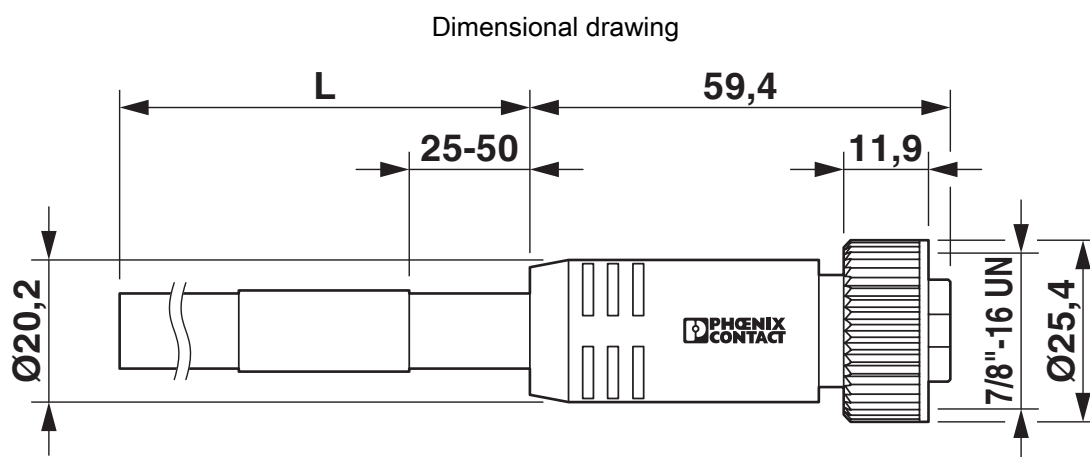
Ambient conditions

Degree of protection	IP68
Ambient temperature (operation)	-20 °C ... 105 °C (Plug / socket)
	-20 °C ... 105 °C (Plug / socket)
	-40 °C ... 105 °C (cable, fixed installation)
	-30 °C ... 105 °C (Cable, flexible installation)

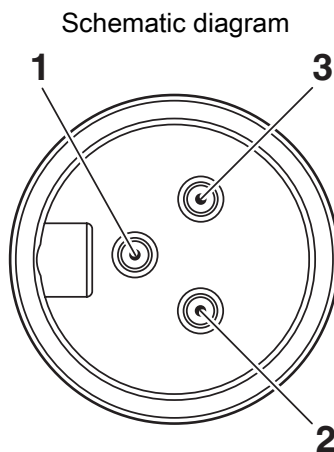
Drawings



Pin assignment, socket, 7/8"-16UNF, 3-pos., view of female side



7/8"-16UNF socket, straight



Pin assignment, plug, 7/8"-16UNF, 3-pos., view of male side

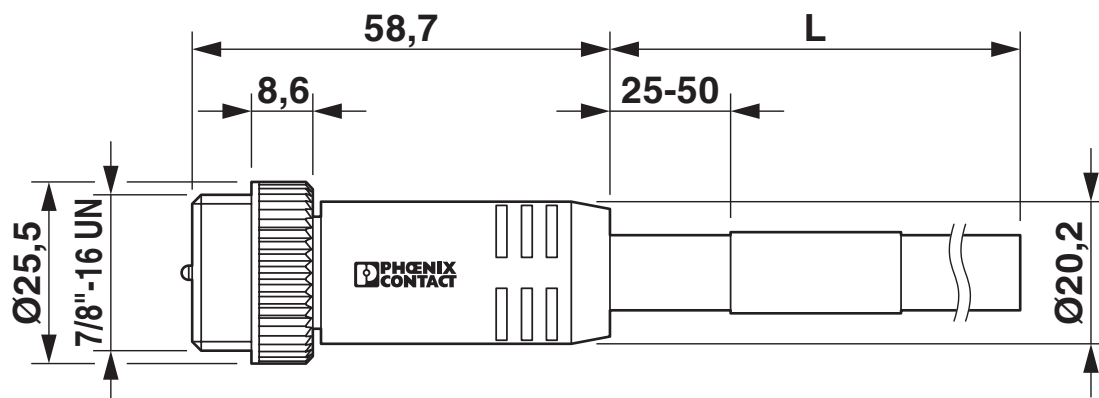
SAC-3P-MINMS/ 2,0-547/MINFS - Power cable



1416581

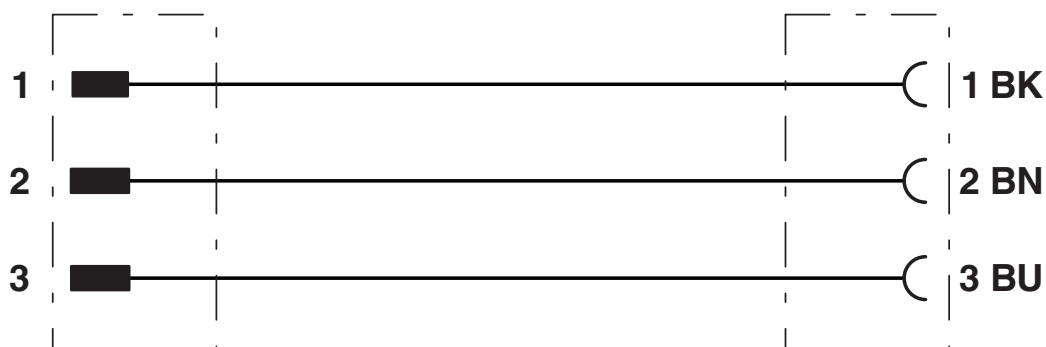
<https://www.phoenixcontact.com/us/products/1416581>

Dimensional drawing



7/8"-16UNF plug, straight

Circuit diagram



SAC-3P-MINMS/ 2,0-547/MINFS - Power cable



1416581

<https://www.phoenixcontact.com/us/products/1416581>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1416581>



UL Listed
Approval ID: FILE E 221474



cUL Listed
Approval ID: FILE E 221474

cULus Listed

SAC-3P-MINMS/ 2,0-547/MINFS - Power cable



1416581

<https://www.phoenixcontact.com/us/products/1416581>

Classifications

ECLASS

ECLASS-11.0	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311

UNSPSC

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

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Not applicable, Not qualified for the European market
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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