

# SAC-2P- 5,0-547/MINFS - Power cable



1416521

<https://www.phoenixcontact.com/us/products/1416521>

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Power cable, 2-position, free cable end, on Socket straight 7/8"-16UNF, coding: A, cable length: 5 m

## Your advantages

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

## Commercial data

Item number	1416521
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF1IMA
GTIN	4055626221120
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	MX

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## Technical data

### Notes

#### Trade restriction

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

Product type	Sensor/actuator cable
Number of positions	2
Application	Standard
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

Contact resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	300 V AC
	300 V DC
Nominal current $I_N$	13 A
Protective circuit	unwired

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	100
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### Signaling

Status display	No
Status display present	No

### Connection data

#### Conductor connection

Tightening torque	10 lb <sub>f</sub> -in.
	1.12 Nm

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## Connector

### Connection 1

Type	free cable end
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### Connection 2

Type	Socket straight 7/8"-16UNF
Number of positions	2
Coding type	A

## Cable/line

Cable length	5 m
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### CMX-OUTDOOR-CMG [547]

Number of positions	2
Shielded	no
Cable type	CMX-OUTDOOR-CMG [547]
Conductor cross section	2 x AWG 18
External cable diameter	5.33 mm
Outer sheath, material	PVC
External sheath, color	yellow
Conductor material	Bare Cu litz wires
Single wire, color	black 1, blue 2, grey 3, brown 4, white 5
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)

# SAC-2P- 5,0-547/MINFS - Power cable

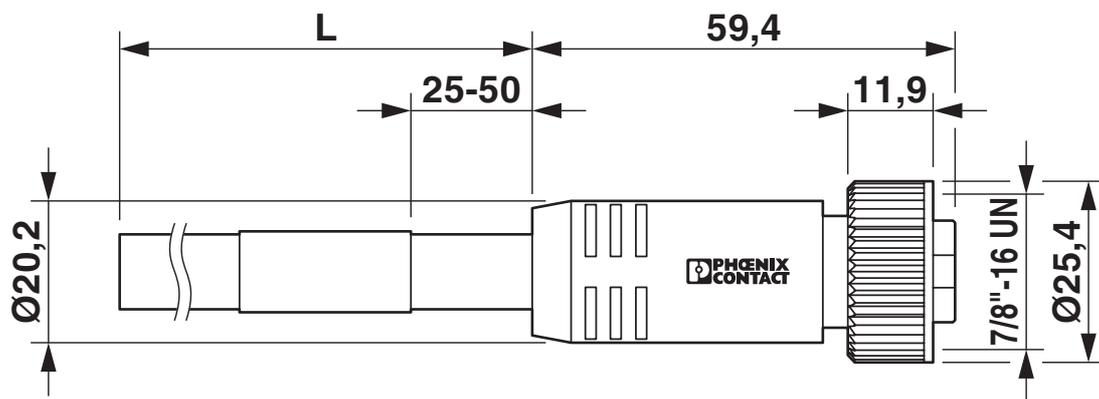


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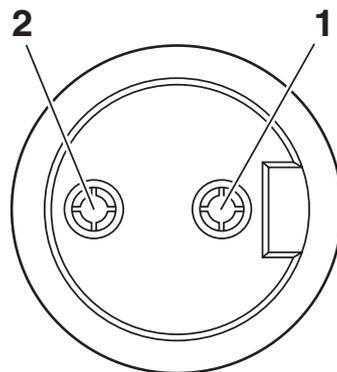
## Drawings

Dimensional drawing



7/8"-16UNF socket, straight

Schematic diagram



Pin assignment, socket, 7/8"-16UNF, 2-pos., view of female side

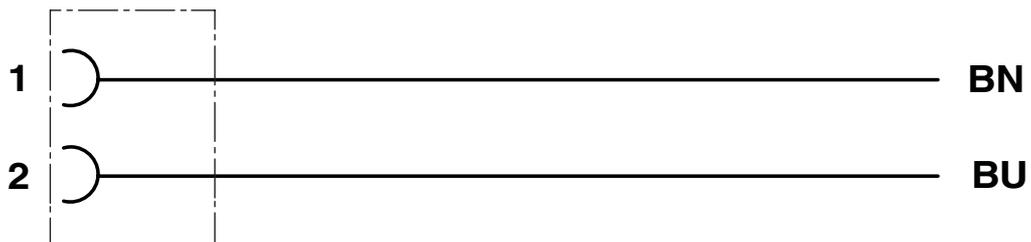
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Circuit diagram



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## Approvals

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**UL Listed**

Approval ID: FILE E 221474



**cUL Listed**

Approval ID: FILE E 221474

**cULus Listed**

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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC001855
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### UNSPSC

UNSPSC 21.0	31251501
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## Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"
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