

# SAC-3P-10,0-U20/MINFS - Power cable



1416778

<https://www.phoenixcontact.com/ca/products/1416778>

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Power cable, 3-position, free cable end, on Socket straight 7/8"-16UNF, coding: A, cable length: 10 m

## Your advantages

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

## Commercial data

Item number	1416778
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF21
Product key	BF1IMB
GTIN	4055626223476
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	3
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 $U_N$	600 V AC
	600 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	3
Coding type	A

## Cable/line

Cable length	10 m
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### Yellow, STOOW [U20]

Number of positions	3
Shielded	no
Cable type	Yellow, STOOW [U20]
Conductor cross section	3 x AWG 16
External cable diameter	10.4 mm
Outer sheath, material	PVC
External sheath, color	yellow
Conductor material	Bare Cu litz wires
Single wire, color	green 1, black 2, white 3
Nominal voltage, cable	600 V
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	12.5 x D
Smallest bending radius, fixed installation	42 mm
Smallest bending radius, movable installation	130 mm
Flame resistance	UL 1581, FT2
Resistance to oil	Premium oil resistance (jacket and conductor)
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) -40 °C ... 105 °C (cable, fixed installation) -30 °C ... 105 °C (Cable, flexible installation)

# SAC-3P-10,0-U20/MINFS - Power cable

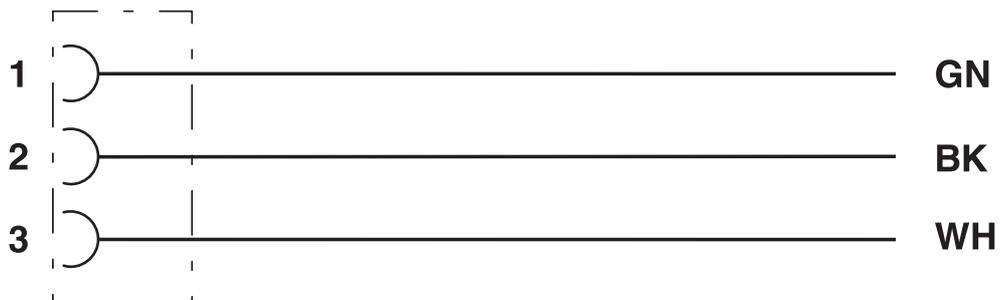


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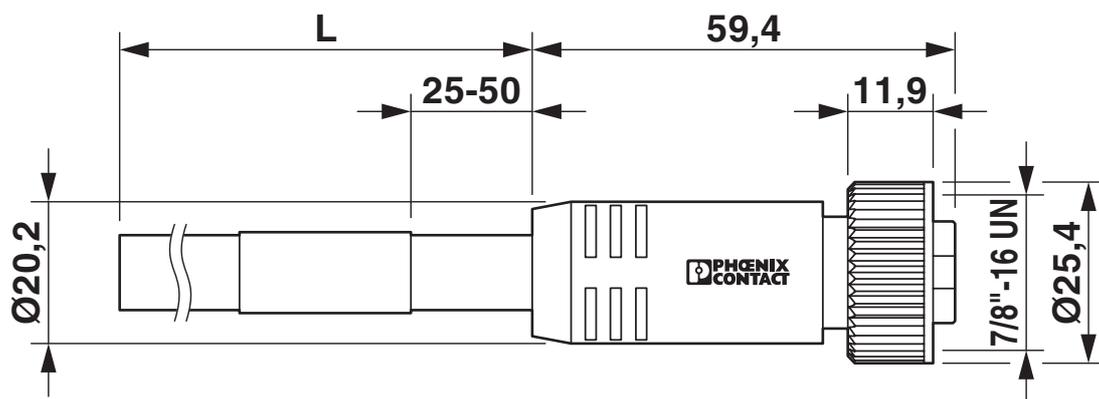
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## Drawings

Circuit diagram

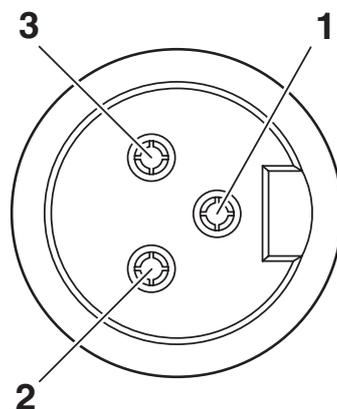


Dimensional drawing



7/8"-16UNF socket, straight

Schematic diagram



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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ca/products/1416778>

 **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

### 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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