

# SAC-3P-MINMS/10,0-U50/MINFS - Power cable



1417122

<https://www.phoenixcontact.com/us/products/1417122>

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Power cable, 3-position, PVC, black, Plug straight 7/8"-16UNF, coding: A, 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	1417122
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	AF1IMC
GTIN	4055626222578
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.

### Product properties

Product type	Sensor/actuator cable
Application	Standard
Number of positions	3
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 $U_N$	600 V AC 600 V DC
Nominal current $I_N$	23.5 A (UL 2238) 7 A (UL 2237)

### 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

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## Connection 1

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

## 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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## TC-ER/600V, STOOW [U50]

Number of positions	3
Shielded	no
Cable type	TC-ER/600V, STOOW [U50]
Conductor cross section	3 x AWG 14
External cable diameter	14.53 mm
Outer sheath, material	PVC
External sheath, color	black
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	green 1, black 2, white 3
Overall twist	3 wires, twisted
Nominal voltage, cable	600 V
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

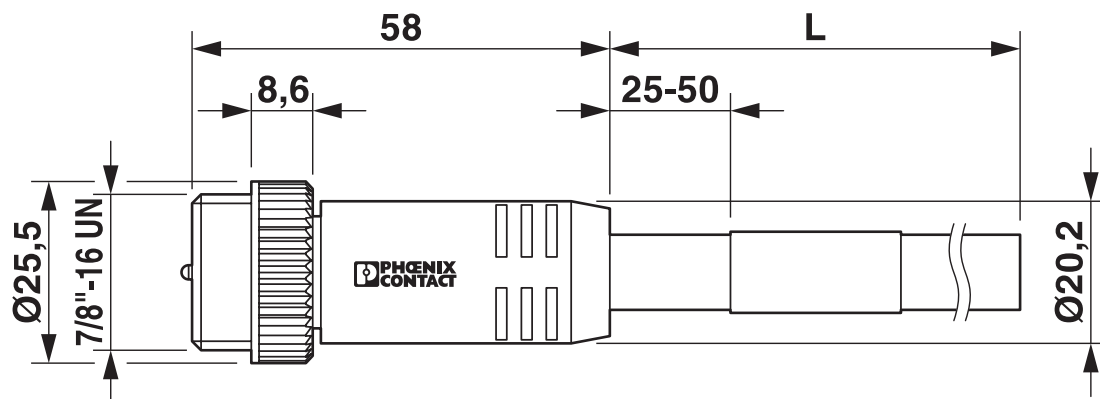
Degree of protection	IP68
Ambient temperature (operation)	-20 °C ... 105 °C (Plug / socket) -20 °C ... 105 °C (Plug / socket) -40 °C ... 105 °C (cable, fixed installation) -30 °C ... 105 °C (Cable, flexible installation)

## Standards and regulations

Standards/specifications	UL 2237, UL 2238
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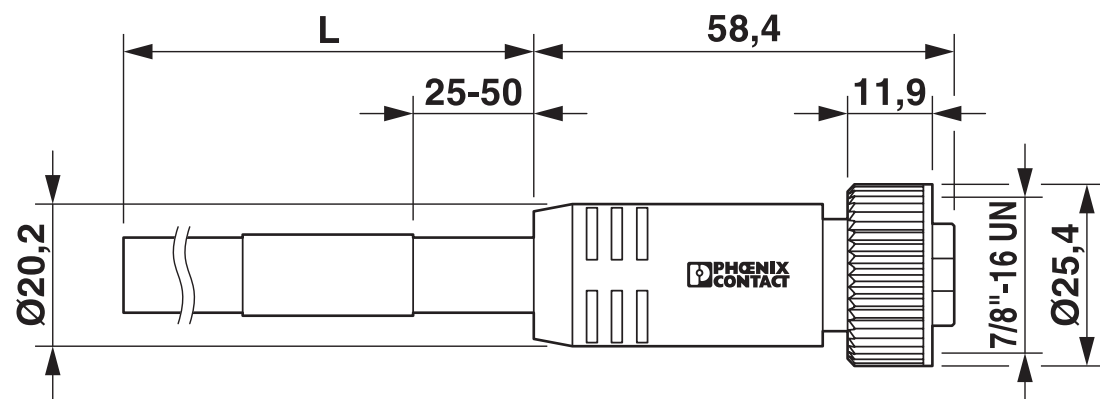
## Drawings

Dimensional drawing



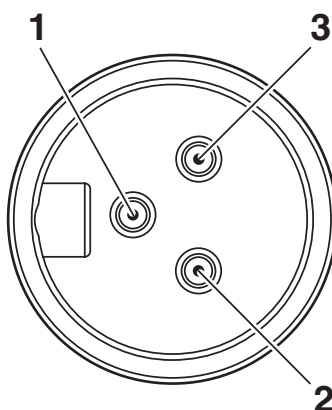
7/8"-16UNF plug, straight

Dimensional drawing



7/8"-16UNF socket, straight

Schematic diagram



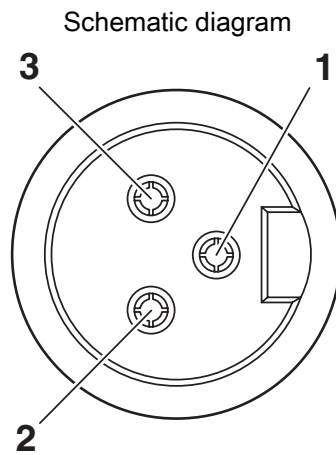
Pin assignment, plug, 7/8"-16UNF, 3-pos., view of male side

# SAC-3P-MINMS/10,0-U50/MINFS - Power cable

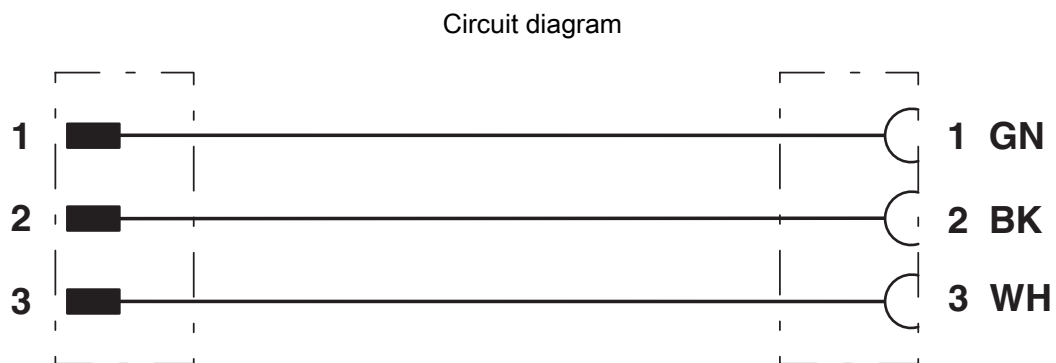


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Pin assignment, socket, 7/8"-16UNF, 3-pos., view of female side



Contact assignment of 7/8" plugs/sockets


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## Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417122>



**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 9.0	EC001855
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### UNSPSC

UNSPSC 21.0	31251501
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