

# SAC-4P- 1,0-U50/MINFS - Power cable

1417127

<https://www.phoenixcontact.com/us/products/1417127>



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Power cable, 4-position, PVC, black, free cable end, on Socket straight 7/8"-16UNF, coding: A, cable length: 1 m

## Your advantages

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

## Commercial data

Item number	1417127
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	AF1IMC
GTIN	4055626222622
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

### Product properties

Product type	Sensor/actuator cable
Application	Standard
Number of positions	4
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/DC (UL rating)
	50 V AC/DC (IEC rating)
Nominal current $I_N$	24 A (UL 2238)
	7 A (UL 2237)

### Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	100

### Signaling

Status display	no
Status display present	no

### Connection data

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

### Connector

Connection 1	
Type	free cable end
Connection 2	
Type	Socket straight 7/8"-16UNF

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Number of positions	4
Coding type	A

## Cable/line

Cable length	1 m
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### TC-ER/600V, STOOW [U50]

Number of positions	4
Shielded	no
Cable type	TC-ER/600V, STOOW [U50]
Conductor structure, voltage supply	104 x AWG 34
Conductor cross section	4 x AWG 14
External cable diameter	15.70 mm
Outer sheath, material	PVC
External sheath, color	black
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	black 1, white 2, red 3, green 4
Overall twist	4 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) (male connector/female connector)	-20 °C ... 105 °C (Plug / socket)
Ambient temperature (operation)	-20 °C ... 105 °C (Plug / socket)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 105 °C (cable, fixed installation)
Ambient temperature (operation) (Cable, flexible installation)	-30 °C ... 105 °C (Cable, flexible installation)

## Standards and regulations

Standards/specifications	UL 2237, UL 2238
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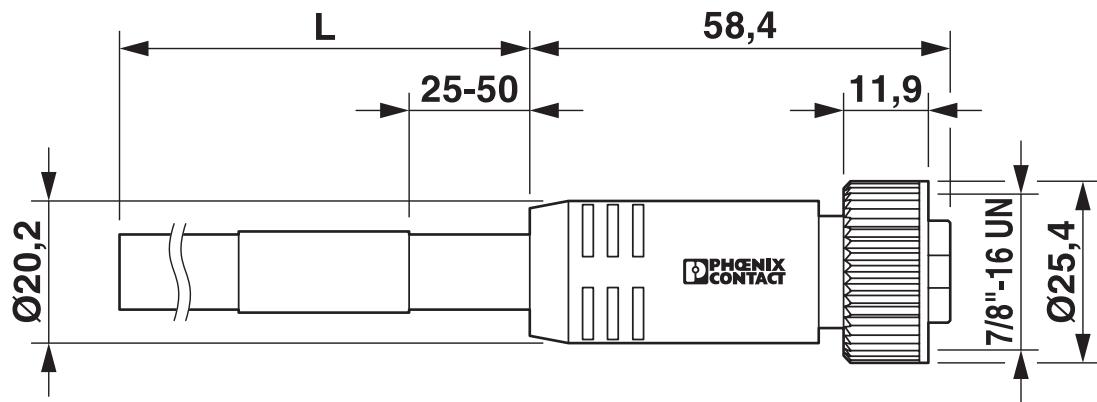
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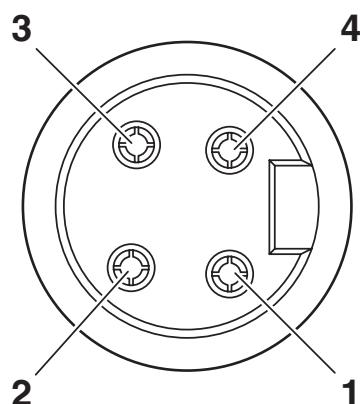
## Drawings

Dimensional drawing



7/8"-16UNF socket, straight

Schematic diagram



Pin assignment, socket, 7/8"-16UNF, 4-pos., view of female side

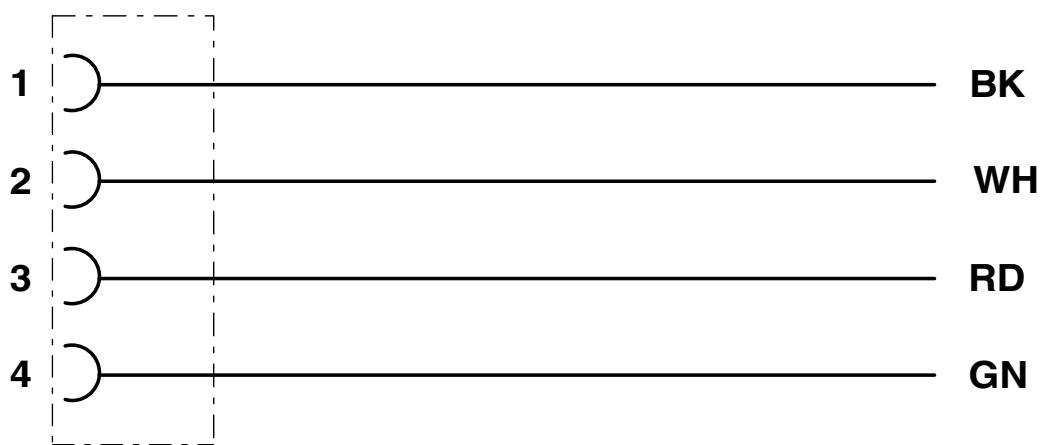
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Circuit diagram



Contact assignment of 7/8" socket

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## Approvals

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**UL Listed**

Approval ID: FILE E 221474



**cUL Listed**

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## Classifications

### ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

### ETIM

ETIM 9.0	EC001855
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### UNSPSC

UNSPSC 21.0	31251501
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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