

1417120
<https://www.phoenixcontact.com/us/products/1417120>

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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: 2 m

Your advantages

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

Commercial data

Item number	1417120
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF1IMC
GTIN	4055626222554
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-U50/MINFS - Power cable



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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 _f -in.
	1.12 Nm

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	2 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)

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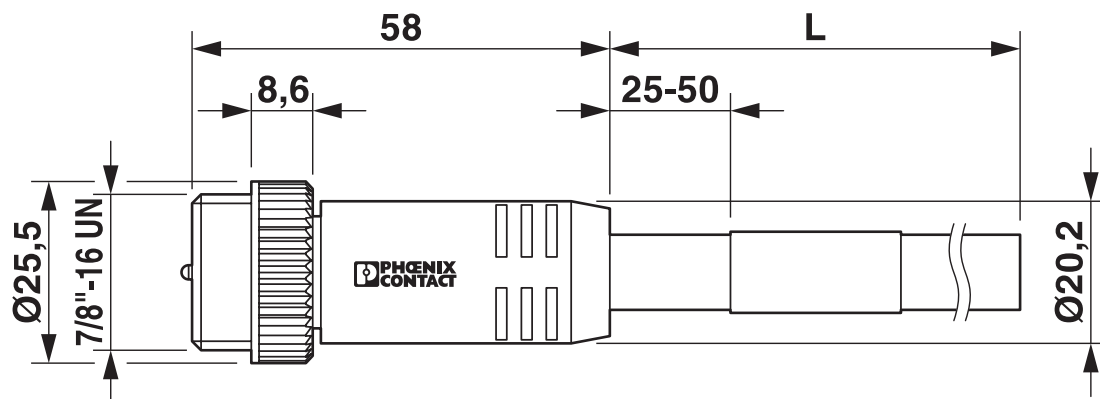


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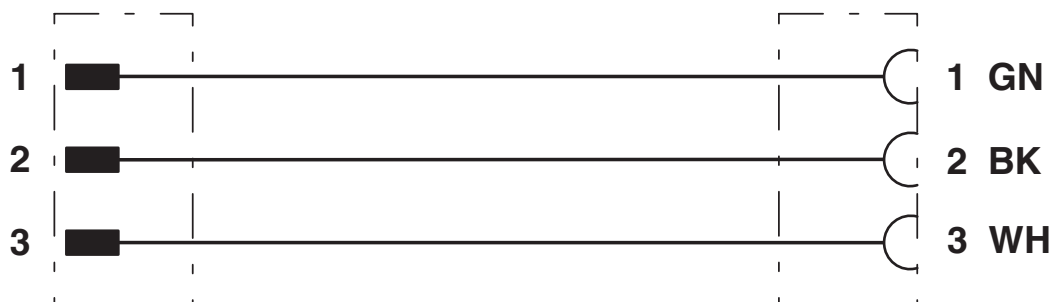
Drawings

Dimensional drawing

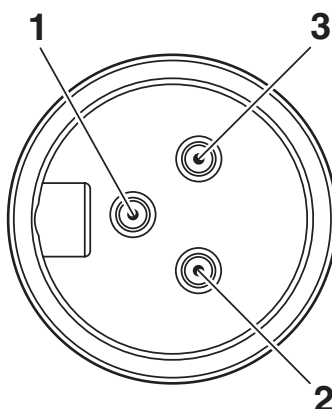


7/8"-16UNF plug, straight

Circuit diagram



Schematic diagram



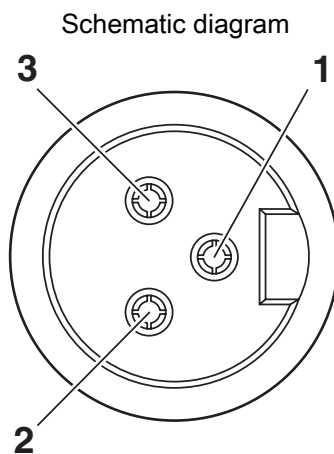
Pin assignment, plug, 7/8"-16UNF, 3-pos., view of male side

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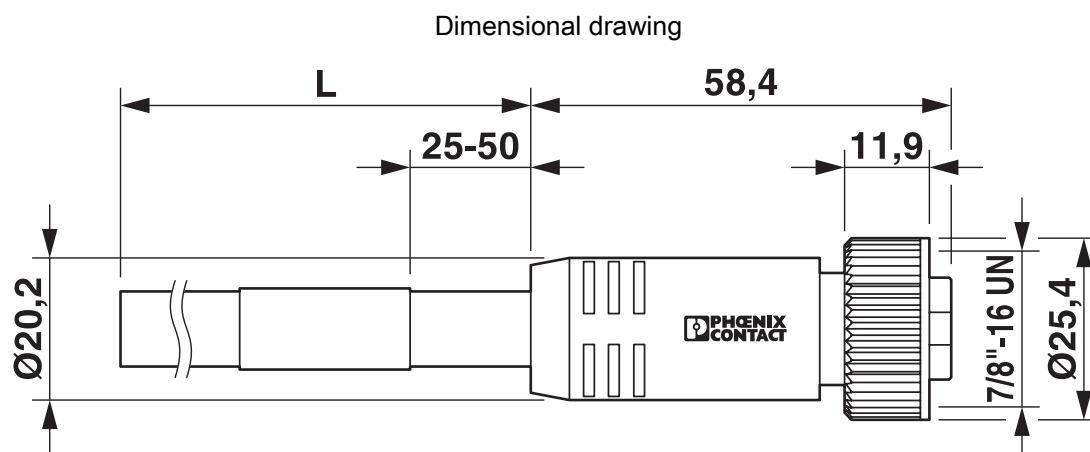


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Pin assignment, socket, 7/8"-16UNF, 3-pos., view of female side



7/8"-16UNF socket, straight


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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 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
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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com