SAC-3P-MINMR/ 1,0-U50/MINFR - Power cable

1417102

https://www.phoenixcontact.com/us/products/1417102

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Power cable, 3-position, PVC, black, Plug angled 7/8"-16UNF, coding: A, on Socket angled 7/8"-16UNF, coding: A, cable length: 1 m

Your advantages

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

Commercial data

Item number	1417102
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	AF1IMC
GTIN	4055626222387
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	MX

Technical data

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	≥ 100 MΩ
Nominal voltage U_N	600 V AC/DC (UL rating)
	50 V AC/DC (IEC rating)
Nominal current I_N	23.5 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_f-in.
	1.12 Nm

Connector

Connection 1

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

Connection 2

Type	Socket angled 7/8"-16UNF
Number of positions	3
Coding type	A

Cable/line

Cable length	1 m

TC-ER/600V, STOOW [U50]

Number of positions	3
Shielded	no
Cable type	TC-ER/600V, STOOW [U50]
Conductor structure, voltage supply	104 x AWG 34
Conductor cross-section	3 x AWG 14
External cable diameter	13.50 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

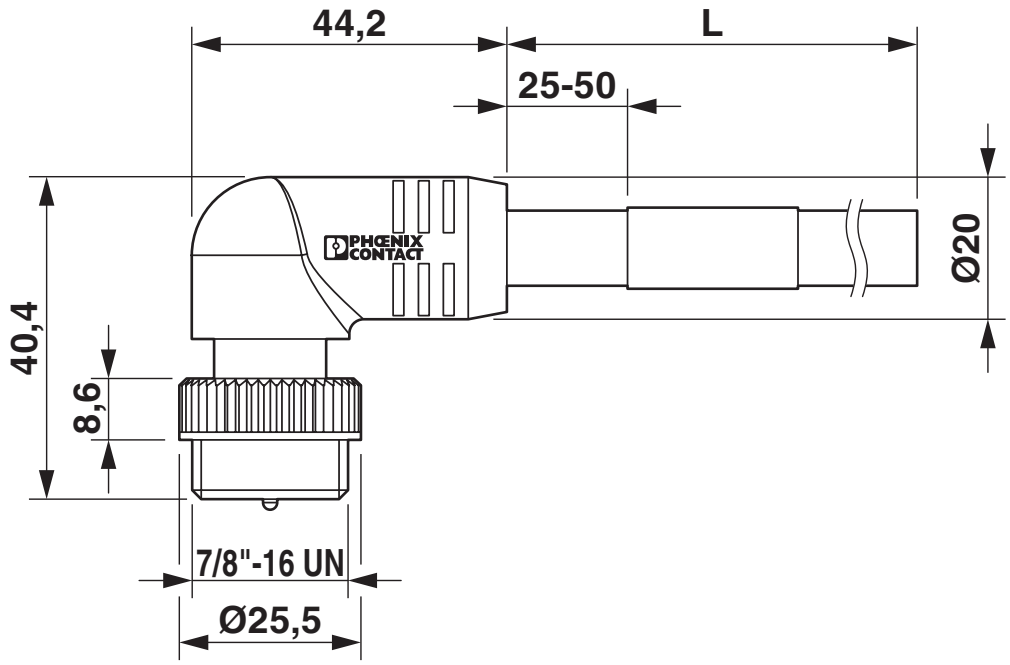
Degree of protection	IP68
Ambient temperature (operation) (male connector/female connector)	-20 °C ... 105 °C (Plug / socket)
Ambient temperature (operation)	-20 °C ... 105 °C (Plug / socket)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 105 °C (cable, fixed installation)
Ambient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

Standards and regulations

Standards/specifications	UL 2237, UL 2238

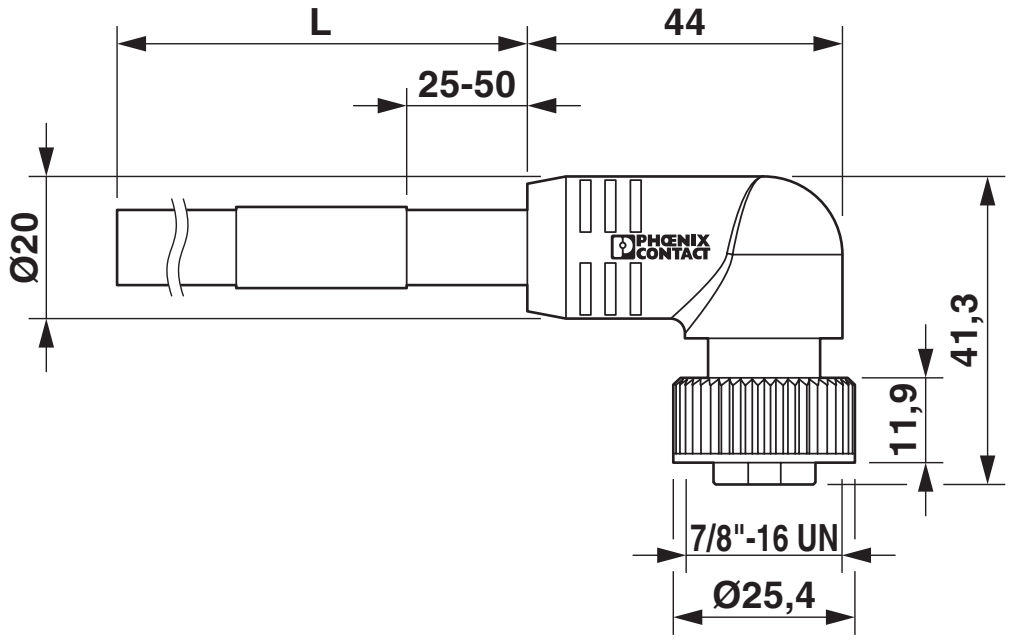
Drawings

Dimensional drawing



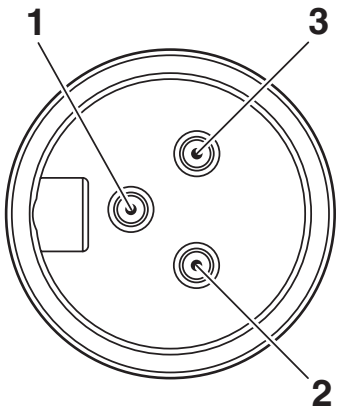
7/8"-16UNF plug, angled

Dimensional drawing



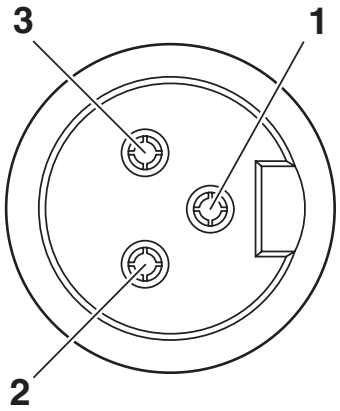
7/8"-16UNF socket, angled

Schematic diagram



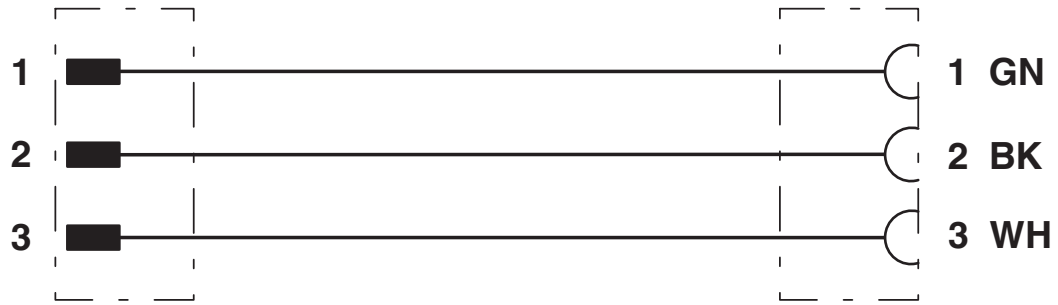
Pin assignment, plug, 7/8"-16UNF, 3-pos., view of male side

Schematic diagram



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

Circuit diagram



Contact assignment of 7/8" plugs/sockets

Classifications

ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

ETIM

ETIM 10.0	EC001855

UNSPSC

UNSPSC 21.0	31251501

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable, Not qualified for the European market

EU REACH SVHC

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

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