

1416678

<https://www.phoenixcontact.com/us/products/1416678>

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Power cable, 6-position, Plug straight 7/8"-16UNF, on Socket straight 7/8"-16UNF, cable length: 2 m

Your advantages

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

Commercial data

Item number	1416678
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF1IMA
GTIN	4055626222110
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-6P-MINMS/ 2,0-547/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.
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Product properties

Product type	Sensor/actuator cable
Number of positions	6
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	300 V AC
	300 V DC
Nominal current I_N	8 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 _f -in.
	1.12 Nm

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Connector

Connection 1

Type	Plug straight 7/8"-16UNF
Number of positions	6

Connection 2

Type	Socket straight 7/8"-16UNF
Number of positions	6

Cable/line

Cable length	2 m
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CMX-OUTDOOR-CMG [547]

Number of positions	3
Shielded	no
Cable type	CMX-OUTDOOR-CMG [547]
Conductor cross section	6 x AWG 18
External cable diameter	5.7 mm
Outer sheath, material	PVC
External sheath, color	yellow
Conductor material	Bare Cu litz wires
Single wire, color	black 1, blue 2, grey 3, brown 4, white 5
Nominal voltage, cable	300 V
Flame resistance	UL 1581, FT4
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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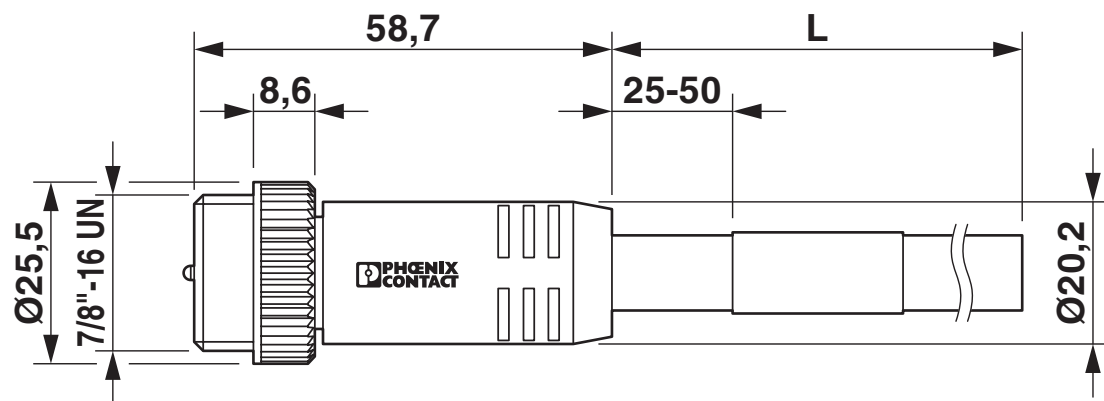


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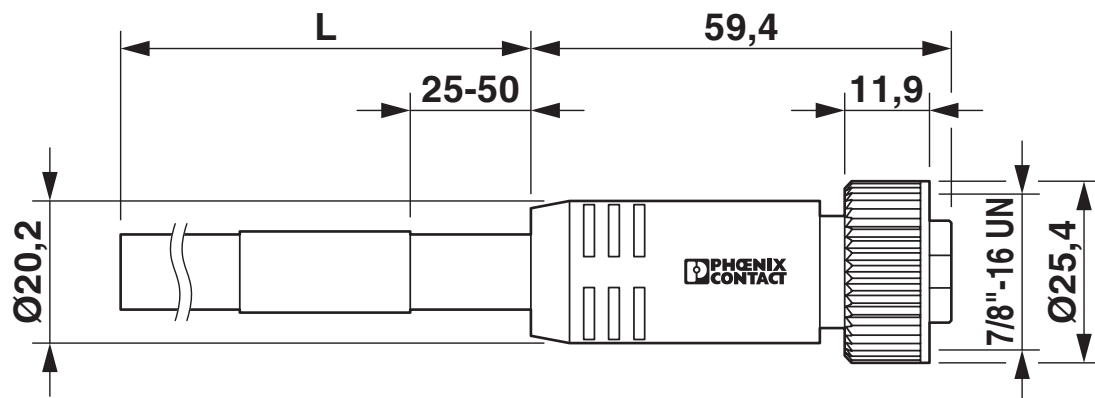
Drawings

Dimensional drawing



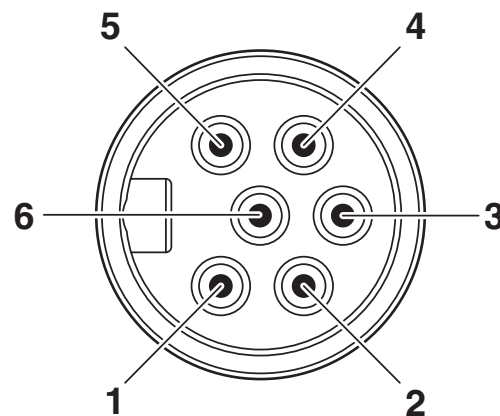
7/8"-16UNF plug, straight

Dimensional drawing



7/8"-16UNF socket, straight

Schematic diagram



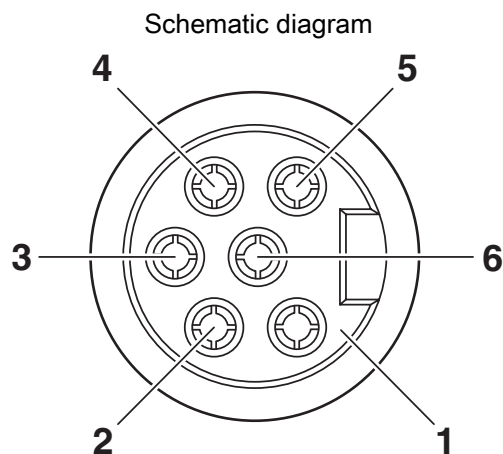
Pin assignment, plug, 7/8"-16UNF, 6-pos., view of male side

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Pin assignment, socket, 7/8"-16UNF, 6-pos., view of female side

Circuit diagram



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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-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: unlimited = EFUP-e
	No hazardous substances above threshold values

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