SAC-3P-MINMS/10,0-547/MINFS - Power cable

1416588

https://www.phoenixcontact.com/us/products/1416588

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Power cable, 3-position, PVC, yellow, Plug straight 7/8"-16UNF, on Socket straight 7/8"-16UNF, cable length: 10 m

Your advantages

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

Commercial data

Item number	1416588
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF1IMA
GTIN	4055626221496
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

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
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

Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	300 V AC
	300 V DC
Nominal current I_N	13 A

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 straight 7/8"-16UNF
Number of positions	3

Connection 2

Type	Socket straight 7/8"-16UNF
Number of positions	3

Cable/line

Cable length	10 m

CMX-OUTDOOR-CMG [547]

Number of positions	3
Shielded	no
Cable type	CMX-OUTDOOR-CMG [547]
Conductor cross section	3 x AWG 18
External cable diameter	5.70 mm
Outer sheath, material	PVC
External sheath, color	yellow
Conductor material	Bare Cu litz wires
Single wire, color	black 1, brown 2, blue 3
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

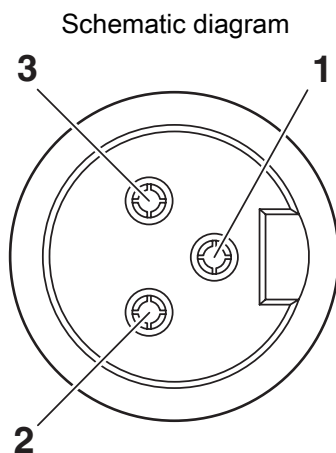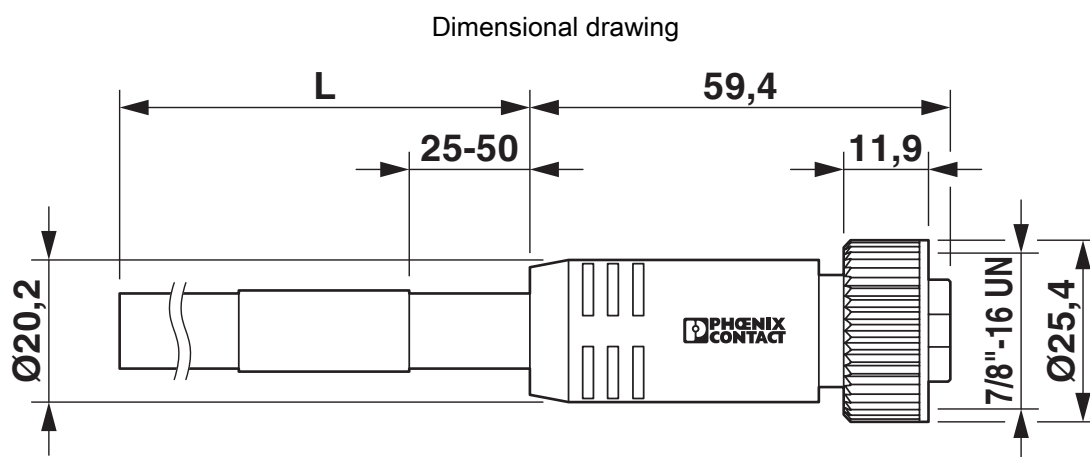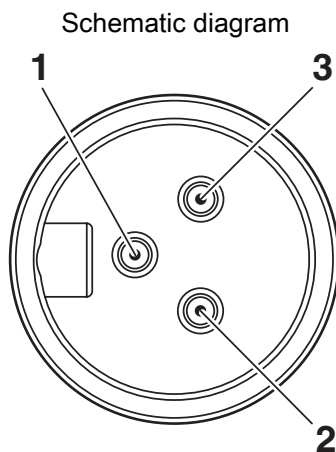|	
Degree of protection	IP68
Ambient temperature (operation)	-20 °C ... 105 °C (Plug / socket)
	-20 °C ... 105 °C (Plug / socket)
	-40 °C ... 105 °C (cable, fixed installation)
	-30 °C ... 105 °C (Cable, flexible installation)

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Drawings

Schematic diagram

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

Dimensional drawing

7/8"-16UNF socket, straight

Schematic diagram

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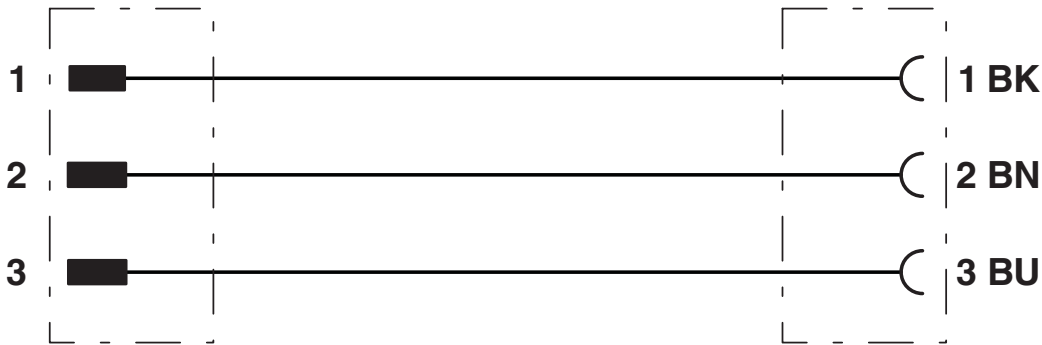
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Dimensional drawing

58,7

8,6

L

25-50

Ø25,5

7/8"-16 UN

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Ø20,2
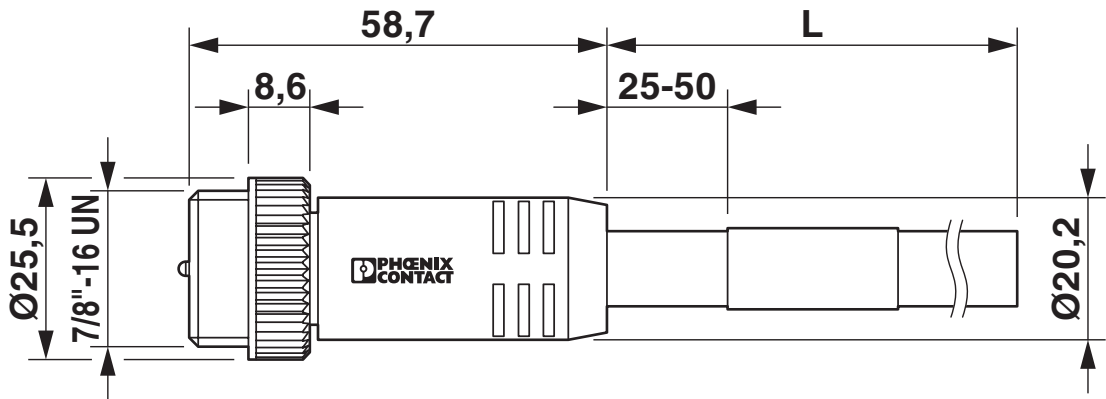
7/8"-16UNF plug, straight

Circuit diagram

1	1 BK
2	2 BN
3	3 BU

Approvals

☼ To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1416588

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

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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Accessories

PROT-MINFS-PA-CHAIN - Sealing cap

1430912

https://www.phoenixcontact.com/us/products/1430912

7/8" sealing cap made of plastic with fixing band, for sensor cables, for 7/8" connectors

UCT-WMT (23X4) - Conductor marker

0801453

https://www.phoenixcontact.com/us/products/0801453

Conductor marker, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: insert, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 30

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UC-WMT (23X4) - Conductor marker

0819411

https://www.phoenixcontact.com/us/products/0819411

Conductor marker, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: insert, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 24

US-WMT (23X4) - Cable marker

0828769

https://www.phoenixcontact.com/us/products/0828769

Cable marker, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: slide-on, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 56

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WMTW (23X4)R - Cable marker

0831004

https://www.phoenixcontact.com/us/products/0831004

Cable marker, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: insert, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 3000

PROT-MINMS-PA-CHAIN - Screw plug

1430925

https://www.phoenixcontact.com/us/products/1430925

7/8" sealing cap made of plastic with fixing band, for sensor cables, for 7/8" sockets

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B-STIFT - Marker pen

1051993

https://www.phoenixcontact.com/us/products/1051993

Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

TSD 08 SAC - Torque screwdriver

1212597

https://www.phoenixcontact.com/us/products/1212597

Torque screw driver with preset torque of 0.8 Nm, with 4 mm hexagon for accommodating SAC bits, two-component handle with non-slip grip

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TSD-M 1,2NM - Torque screwdriver

1212224

https://www.phoenixcontact.com/us/products/1212224

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

TSD-M SAC-BIT ADAPTER - Adapter insert

1212600

https://www.phoenixcontact.com/us/products/1212600

Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

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SAC BIT MIN-D25 - Tool

1212512

https://www.phoenixcontact.com/us/products/1212512

Nut for assembling 7/8" connectors with a knurl diameter of 25 mm, with 4 mm hexagonal drive