

PDC-3P-138MS/ 5,0-U80 - Power cable



1423178

<https://www.phoenixcontact.com/us/products/1423178>

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Power cable, 3-position, TPE, black, Plug straight 1-3/8"-16UN, coding: Standard, on free cable end, cable length: 5 m

Commercial data

Item number	1423178
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF14
Product key	AF1INA
GTIN	4067923051928
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Country of origin	MX

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Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	3
Shielded	no

Material specifications

Flammability rating according to UL 94	V0
Material of grip body	Thermoplastic
Contact material	CuZn
Contact surface material	Au
Contact carrier material	Thermoplastic
Material for screw connection	Anodized aluminum

Electrical properties

Insulation resistance	5000 MΩ
Nominal voltage U_N	600 V AC (UL rating)
	50 V AC (IEC rating)
Nominal current I_N	30 A (UL 2237)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	500
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Connector

Connection 1

Type	Plug straight 1-3/8"-16UN
Coding type	Standard

Connection 2

Type	free cable end
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Cable/line

Cable length	5 m
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TC-ER/600V [U80]

Number of positions	3
Shielded	no
Cable type	TC-ER/600V [U80]
Conductor cross section	3 x AWG 10
External cable diameter	12.00 mm
Outer sheath, material	TPE
External sheath, color	black

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Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	black 1, green 2, white 3
Overall twist	3 wires, twisted
Nominal voltage, cable	600 V
Flame resistance	FT4
Resistance to oil	yes
Other resistance	Wet locations
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
	IP67
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 90 °C (Plug / socket)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 90 °C (cable, fixed installation)

Standards and regulations

Standards/specifications	UL 2237
Note	SCCR 65KA
Standard designation	Vibration
Standards/specifications	MIL-STD-202 method 204
Standard designation	Thermal shock
Standards/specifications	MIL-STD-202 method 207
Standard designation	48 hour salt spray
Standards/specifications	MIL-STD-202 method 101

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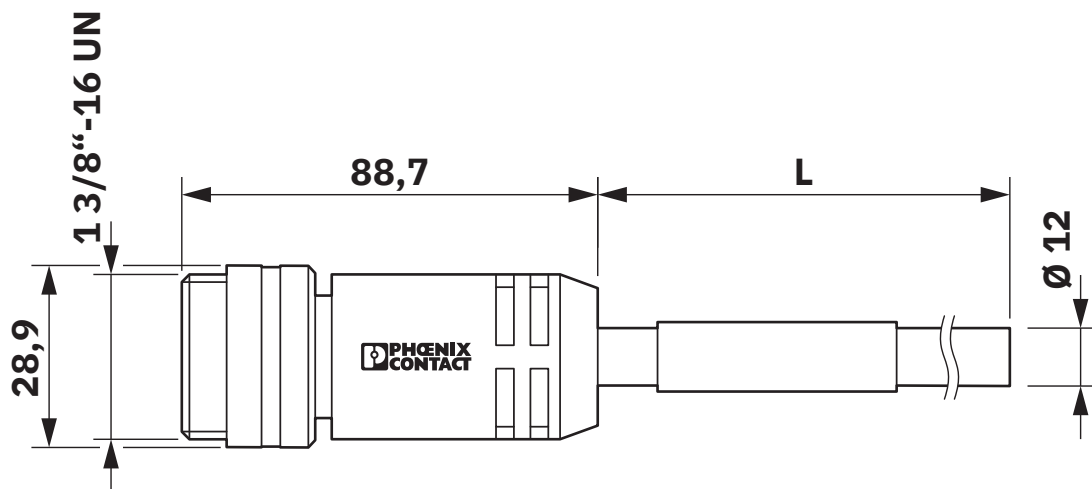


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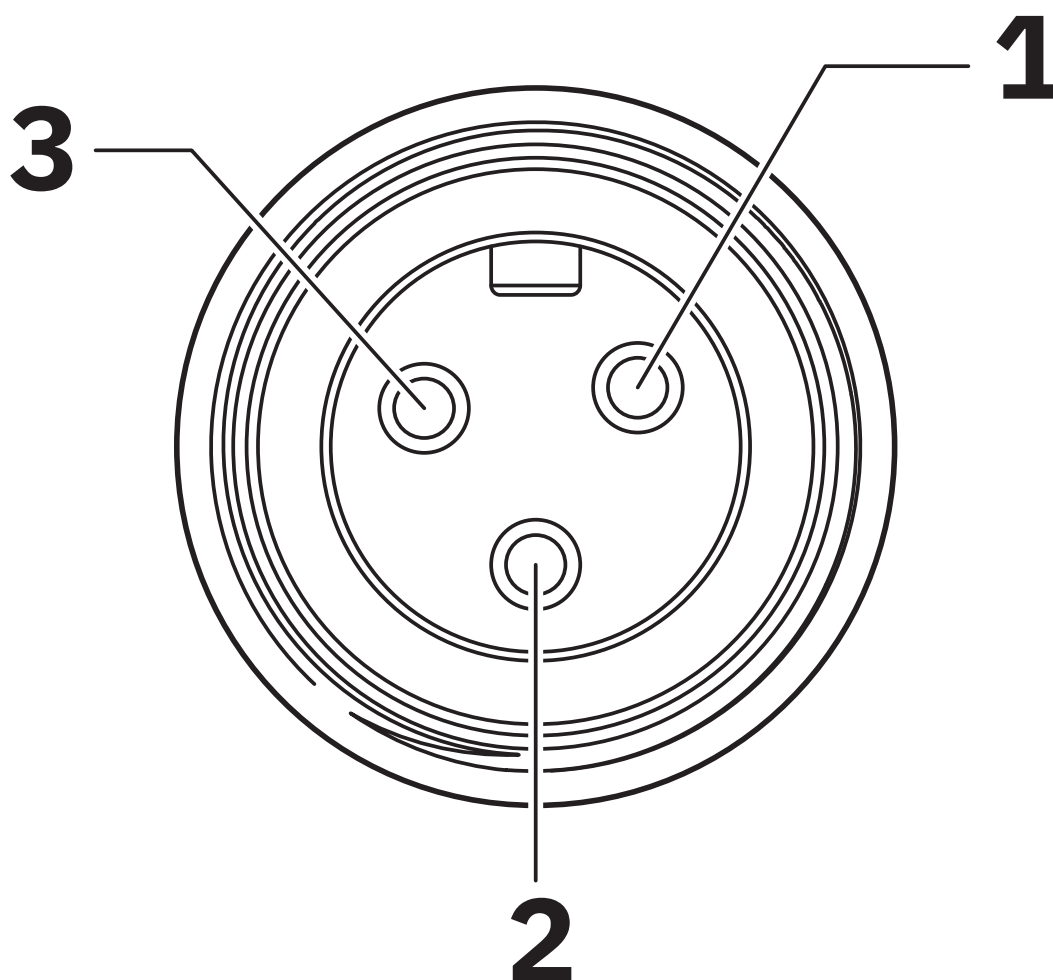
Drawings

Dimensional drawing



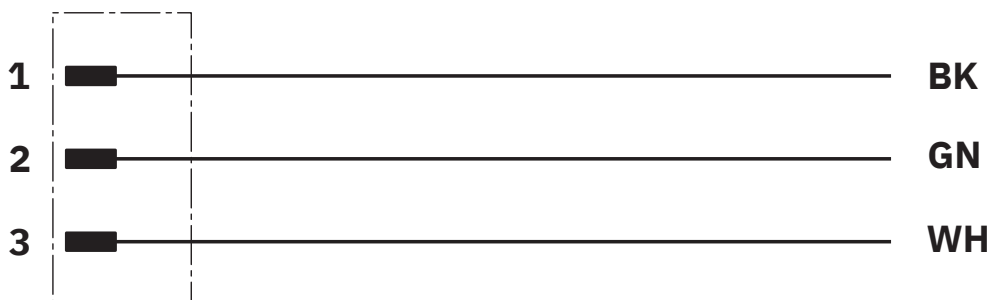
1-3/8"-16UN cordset

Schematic diagram



Pin assignment, plug, 1-3/8"-16UN, 3-pos., view of male side

Circuit diagram



Contact assignment of 1-3/8" plugs/sockets

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Classifications

ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

ETIM

ETIM 9.0	EC001855
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Environmental product compliance

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