PDC-3P-138MS/ 1,0-U80/138FR - Power cable

1423200

https://www.phoenixcontact.com/us/products/1423200

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

Commercial data

Item number	1423200
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF14
Weight per piece (excluding packing)	540 g
Country of origin	MX

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

Connector

Connection 1

Type	Plug straight 1-3/8"-16UN

Connection 2

Type	Socket angled 1-3/8"-16UN
Coding type	Standard

Cable/line

Cable length	1 m

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

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

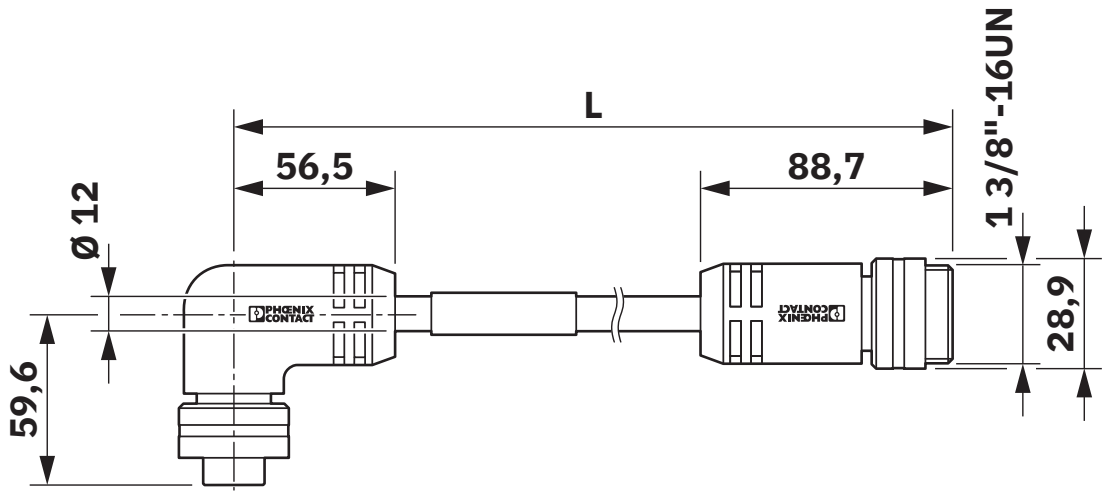
Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 90 °C (Plug / socket)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 90 °C (cable, fixed installation)

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

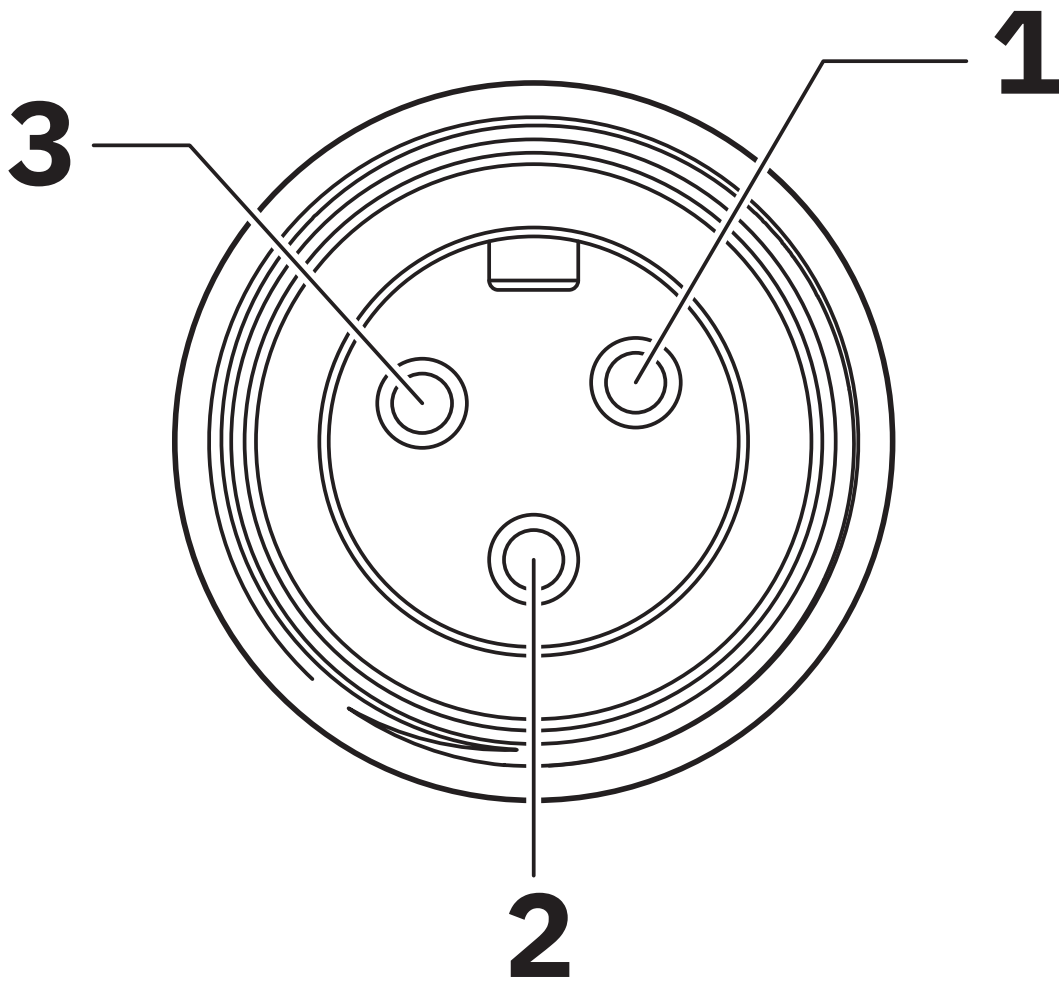
Drawings

Dimensional drawing



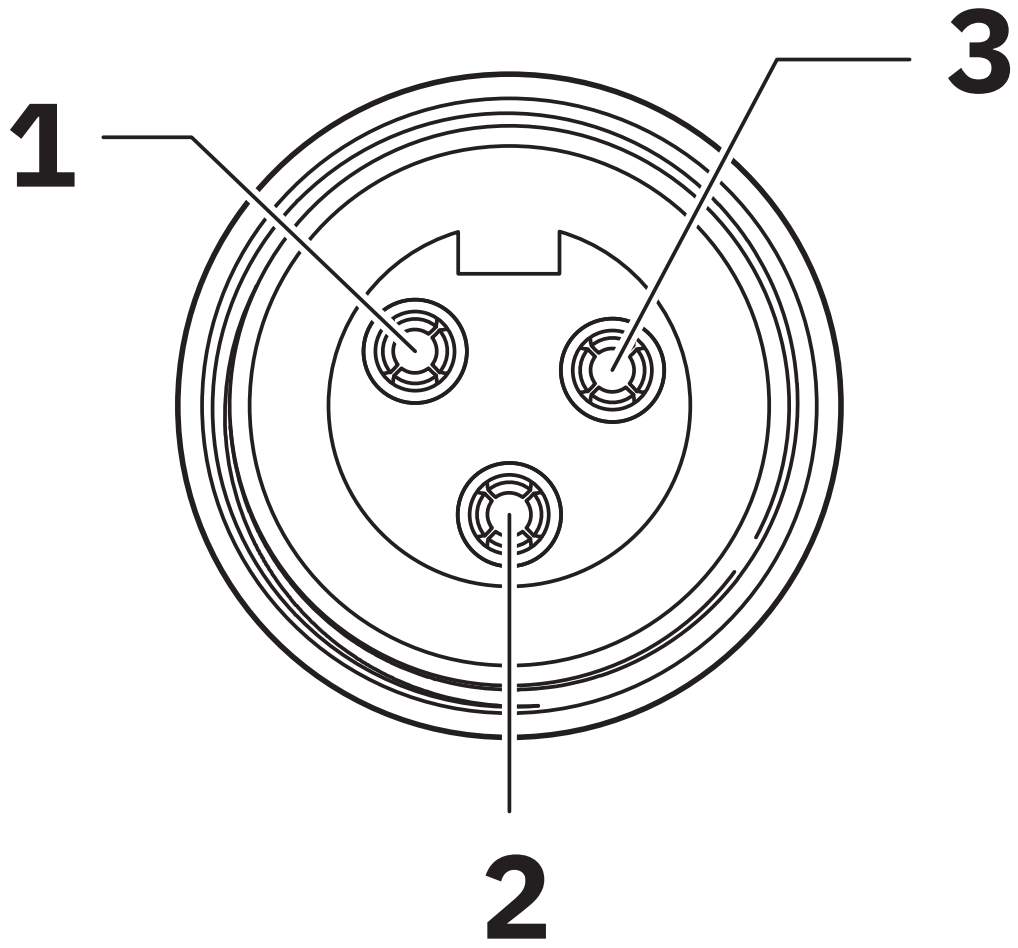
1-3/8"-16UN cordset

Schematic diagram



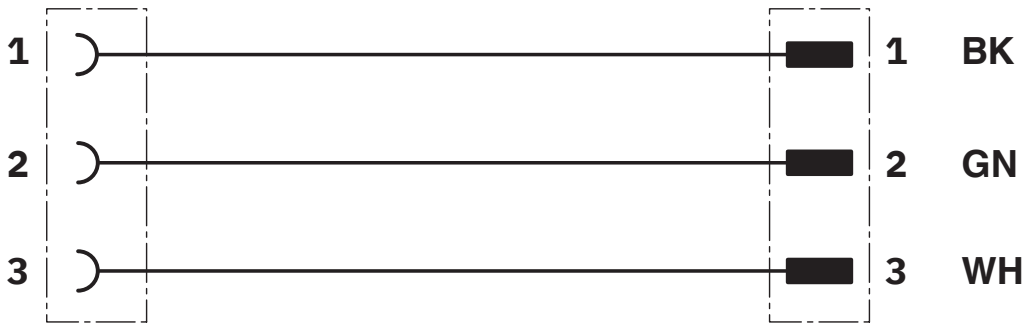
Pin assignment, plug, 1-3/8"-16UN, 3-pos., view of male side

Schematic diagram



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

Circuit diagram



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

Classifications

ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

ETIM

ETIM 10.0	EC001855

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