

PDC-4P-138MR/ 5,0-U80 - Power cable



1423284

<https://www.phoenixcontact.com/us/products/1423284>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Power cable, 4-position, plug angled 1-3/8"-16UN, coding: Standard, on free cable end, cable length: 5 m

Commercial data

Item number	1423284
Packing unit	1 pc
Sales key	BF14
Product key	BF1INA
GTIN	4067923053281
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Country of origin	MX

PDC-4P-138MR/ 5,0-U80 - Power cable



1423284

<https://www.phoenixcontact.com/us/products/1423284>

Technical data

Product properties

Number of positions	4
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
Nominal current I_N	25 A (UL 2237)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	500
-----------------------------	-----

Connector

Connection 2

Type	free cable end
------	----------------

Cable/line

Cable length	5 m
--------------	-----

TC-ER/600V [U80]

Shielded	no
Cable type	TC-ER/600V
Cable type (abbreviation)	U80
External cable diameter	14.00 mm
Outer sheath, material	TPE
External sheath, color	black
Conductor material	Bare Cu litz wires
Conductor cross section	4 x AWG 10
Material wire insulation	PVC
Single wire, color	black 1, green 2, red 3, white 4
Overall twist	4 wires, twisted
Nominal voltage, cable	600 V 3 wire

PDC-4P-138MR/ 5,0-U80 - Power cable



1423284

<https://www.phoenixcontact.com/us/products/1423284>

Resistance to oil	yes
Flame resistance	FT4
Other resistance	Wet locations
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)

Environmental and real-life conditions

Ambient conditions

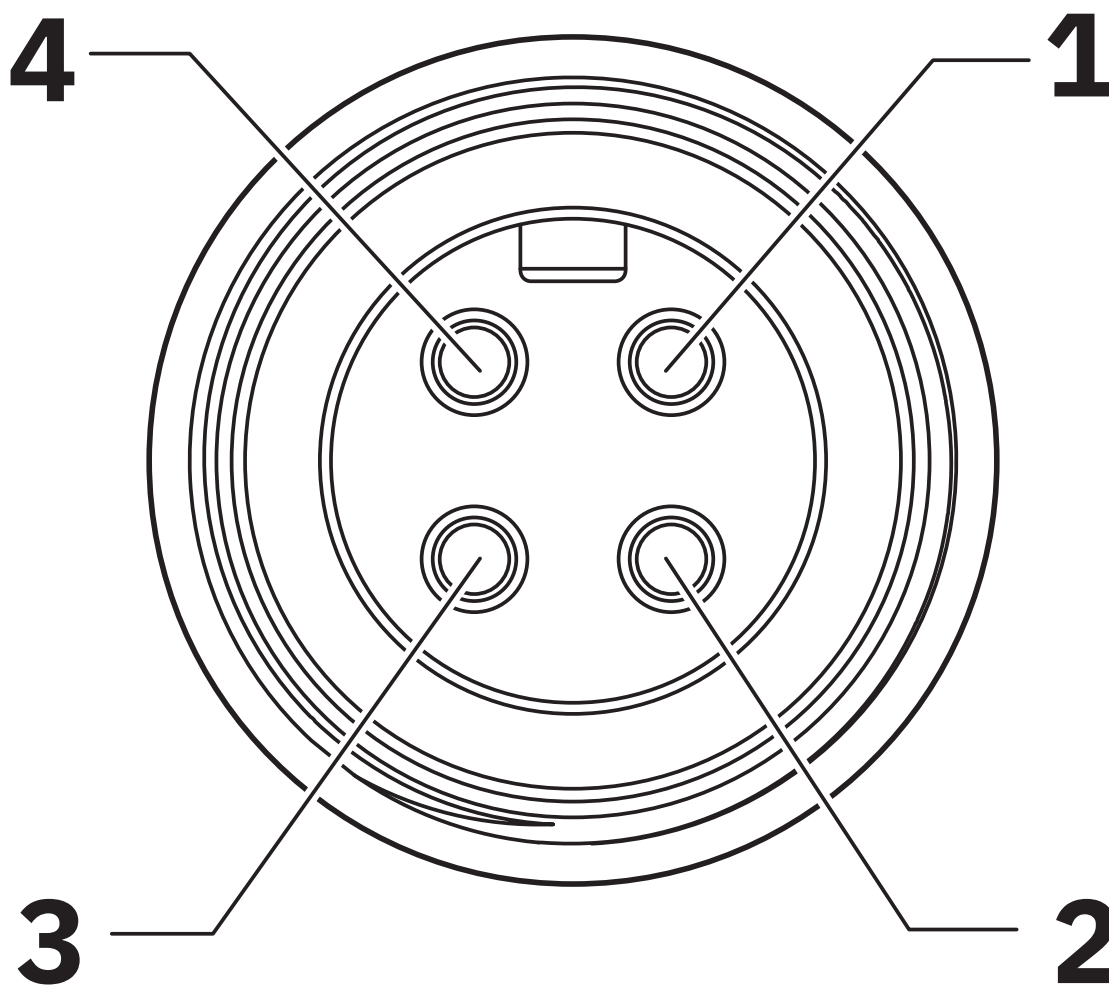
Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 90 °C (Plug / socket)
	-40 °C ... 90 °C (cable, fixed installation)

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

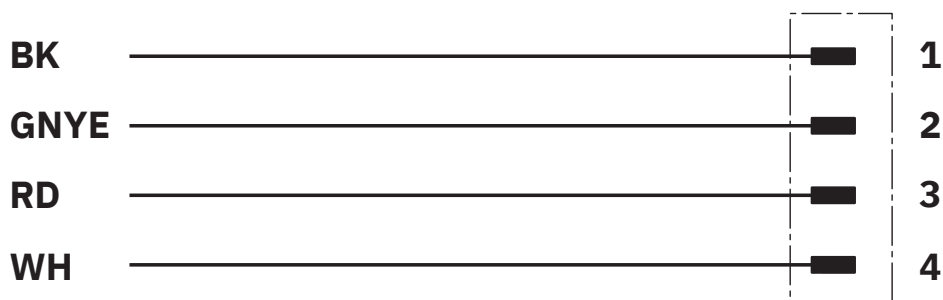
Drawings

Schematic diagram



Pin assignment, plug, 1-3/8"-16UN, 4-pos., view of male side

Circuit diagram



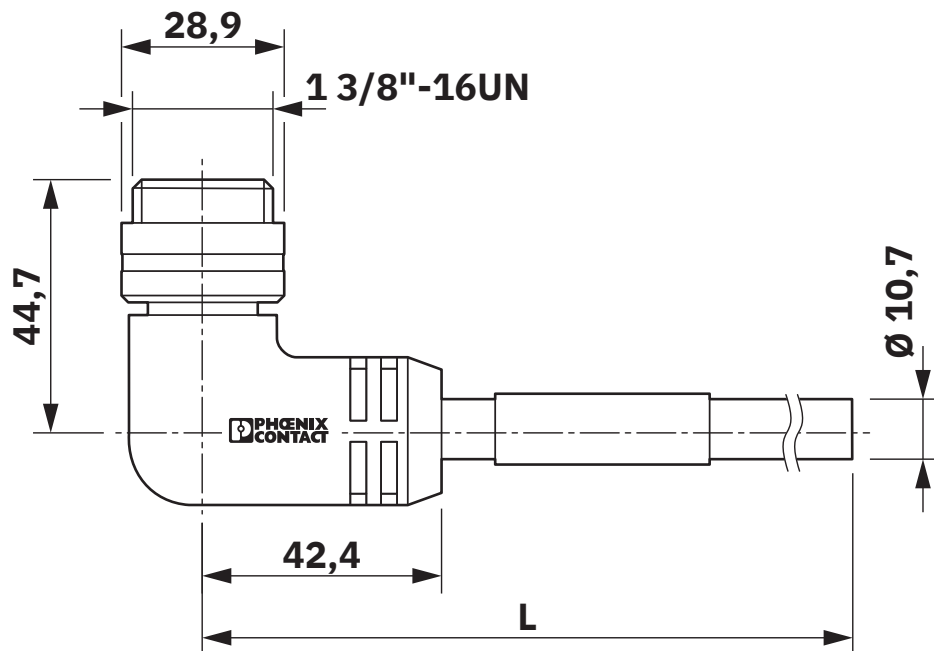
PDC-4P-138MR/ 5,0-U80 - Power cable



1423284

<https://www.phoenixcontact.com/us/products/1423284>

Dimensional drawing



1-3/8\"-16UN cordset

PDC-4P-138MR/ 5,0-U80 - Power cable



1423284

<https://www.phoenixcontact.com/us/products/1423284>

Classifications

ECLASS

ECLASS-11.0	27060311
ECLASS-13.0	27060311

PDC-4P-138MR/ 5,0-U80 - Power cable



1423284

<https://www.phoenixcontact.com/us/products/1423284>

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%
-------------------------------------	----------------------------

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

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