

# PDC-3P-10,0-U80/138FS - Power cable

1423183

<https://www.phoenixcontact.com/us/products/1423183>



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, 3-position, TPE, black, free cable end, on Socket straight 1-3/8"-16UN, coding: Standard, cable length: 10 m

## Commercial data

Item number	1423183
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF14
Product key	AF1INA
GTIN	4067923051478
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Country of origin	MX

# PDC-3P-10,0-U80/138FS - Power cable

1423183

<https://www.phoenixcontact.com/us/products/1423183>



## 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 2	
Type	Socket straight 1-3/8"-16UN
Coding type	Standard

### Cable/line

Cable length	10 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

# PDC-3P-10,0-U80/138FS - Power cable

1423183

<https://www.phoenixcontact.com/us/products/1423183>



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

# PDC-3P-10,0-U80/138FS - Power cable

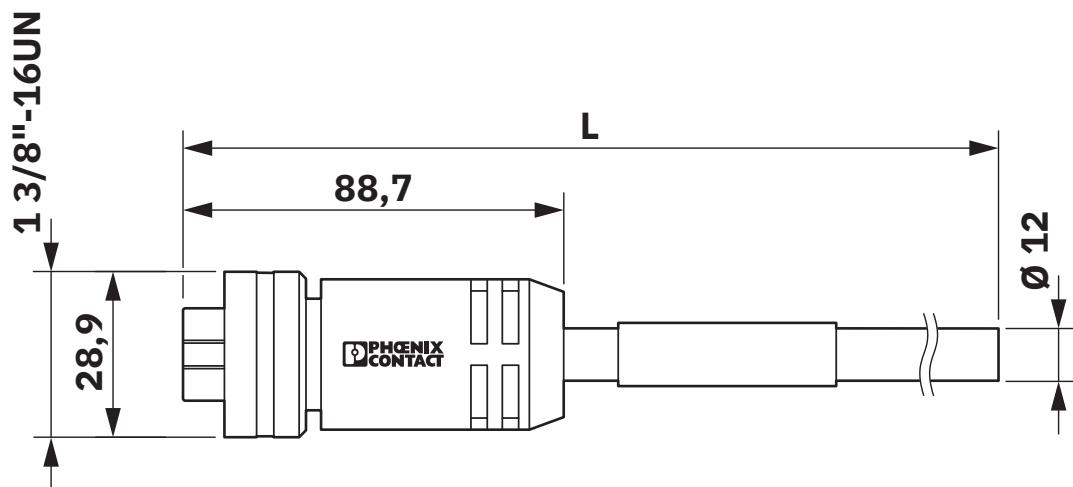
1423183

<https://www.phoenixcontact.com/us/products/1423183>



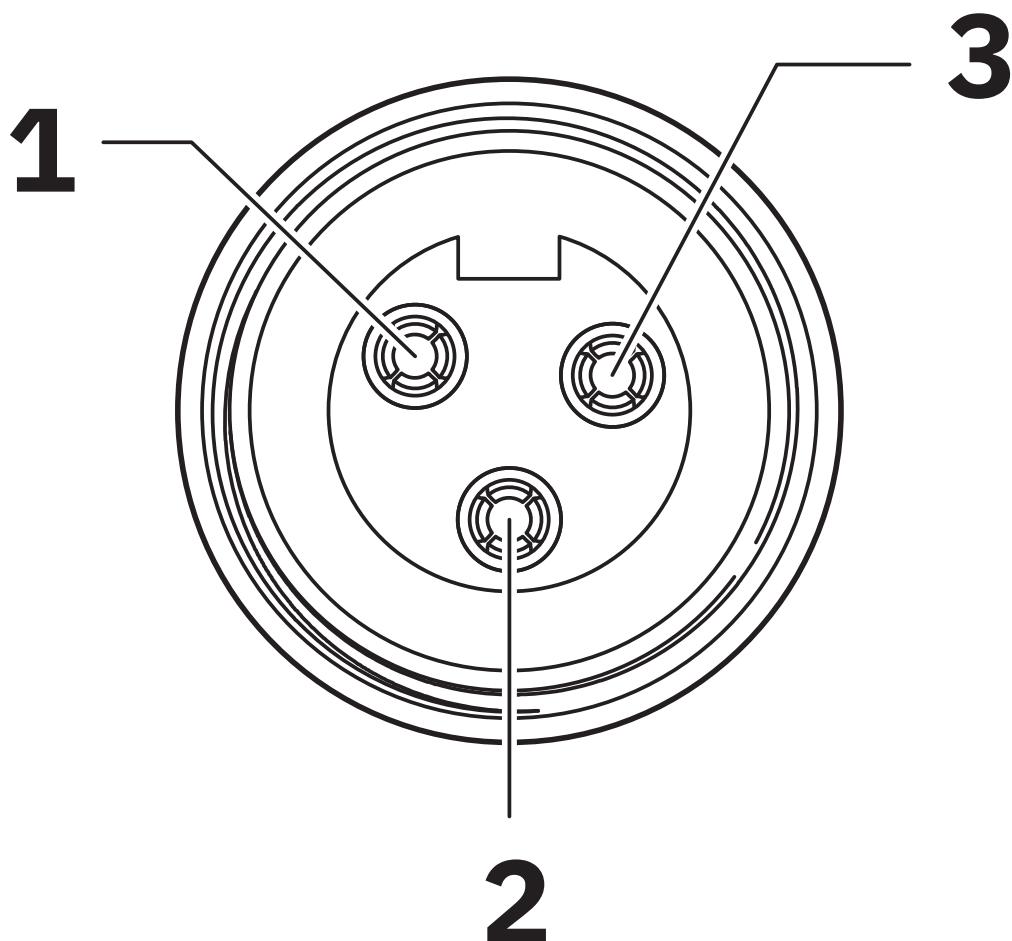
## Drawings

Dimensional drawing



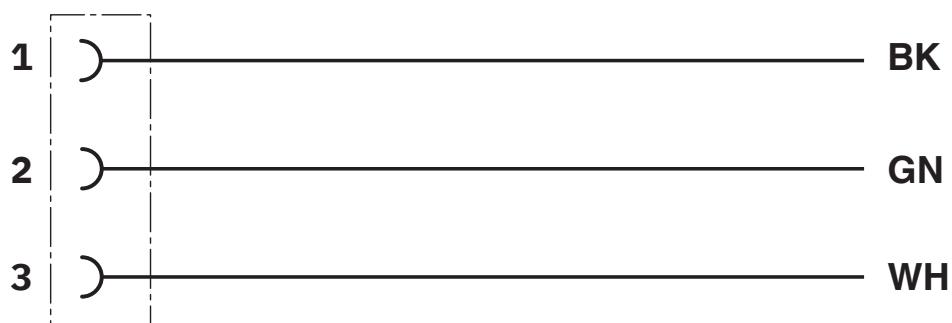
1-3/8"-16UN cordset

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

# PDC-3P-10,0-U80/138FS - Power cable

1423183

<https://www.phoenixcontact.com/us/products/1423183>



## Classifications

### ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

### ETIM

ETIM 9.0	EC001855
----------	----------

# PDC-3P-10,0-U80/138FS - Power cable

1423183

<https://www.phoenixcontact.com/us/products/1423183>



## 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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - 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](mailto:info@phoenixcon.com)