

# PDC-4P-138MR/ 2,0-U80/138FS - Power cable



1423279

<https://www.phoenixcontact.com/us/products/1423279>

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Power cable, 4-position, TPE, black, Plug angled 1-3/8"-16UN, coding: Standard, on Socket straight 1-3/8"-16UN, coding: Standard, cable length: 2 m

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1423279       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF14          |
| Product key                          | AF1INA        |
| GTIN                                 | 4067923054509 |
| 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 | 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 (UL rating) |
|                       | 50 V AC (IEC rating) |
| Nominal current $I_N$ | 25 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 | 2 m |
|--------------|-----|

#### TC-ER/600V [U80]

|                          |                    |
|--------------------------|--------------------|
| Number of positions      | 4                  |
| Shielded                 | no                 |
| Cable type               | TC-ER/600V [U80]   |
| Conductor cross section  | 4 x AWG 10         |
| External cable diameter  | 14.00 mm           |
| Outer sheath, material   | TPE                |
| External sheath, color   | black              |
| Conductor material       | Bare Cu litz wires |
| Material wire insulation | PVC                |

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|                                 |                                              |
|---------------------------------|----------------------------------------------|
| Single wire, color              | black 1, green 2, red 3, white 4             |
| Overall twist                   | 4 wires, twisted                             |
| Nominal voltage, cable          | 600 V 3 wire                                 |
| 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 |

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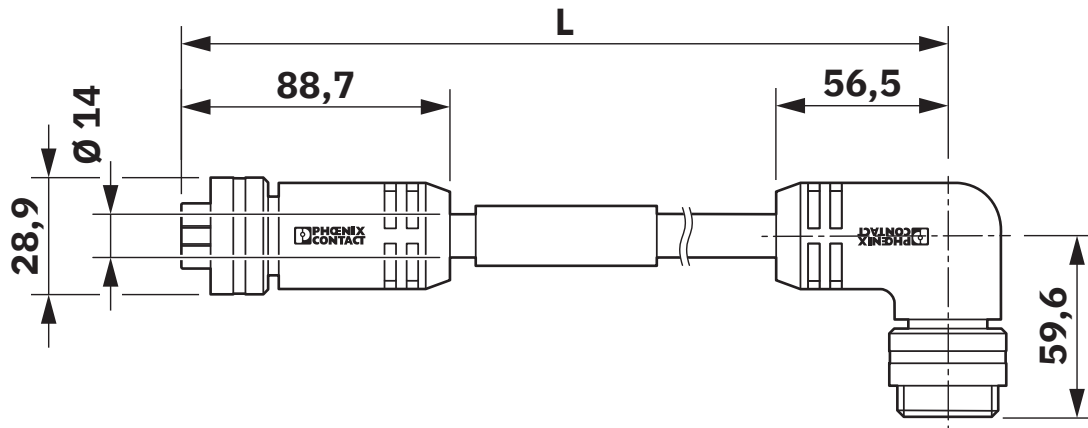


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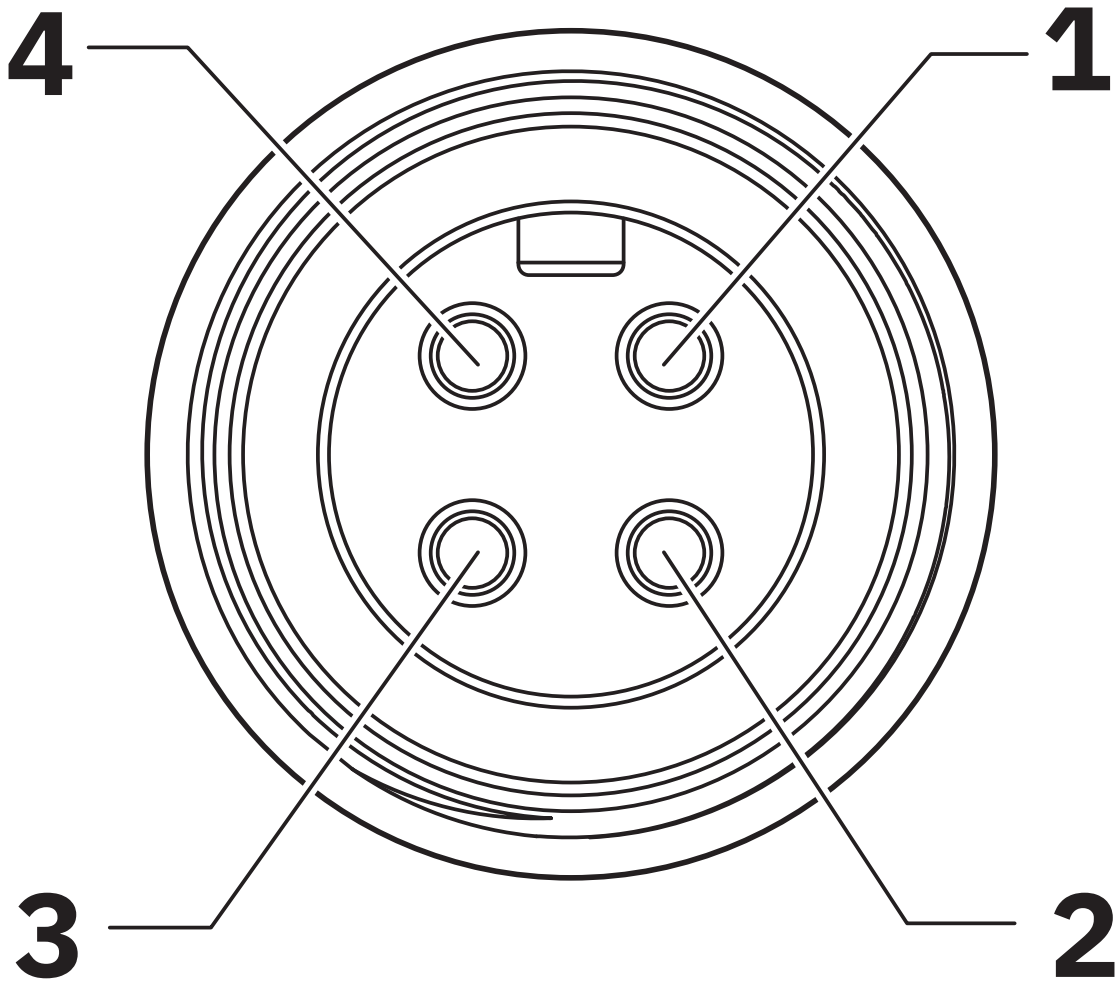
## Drawings

Dimensional drawing



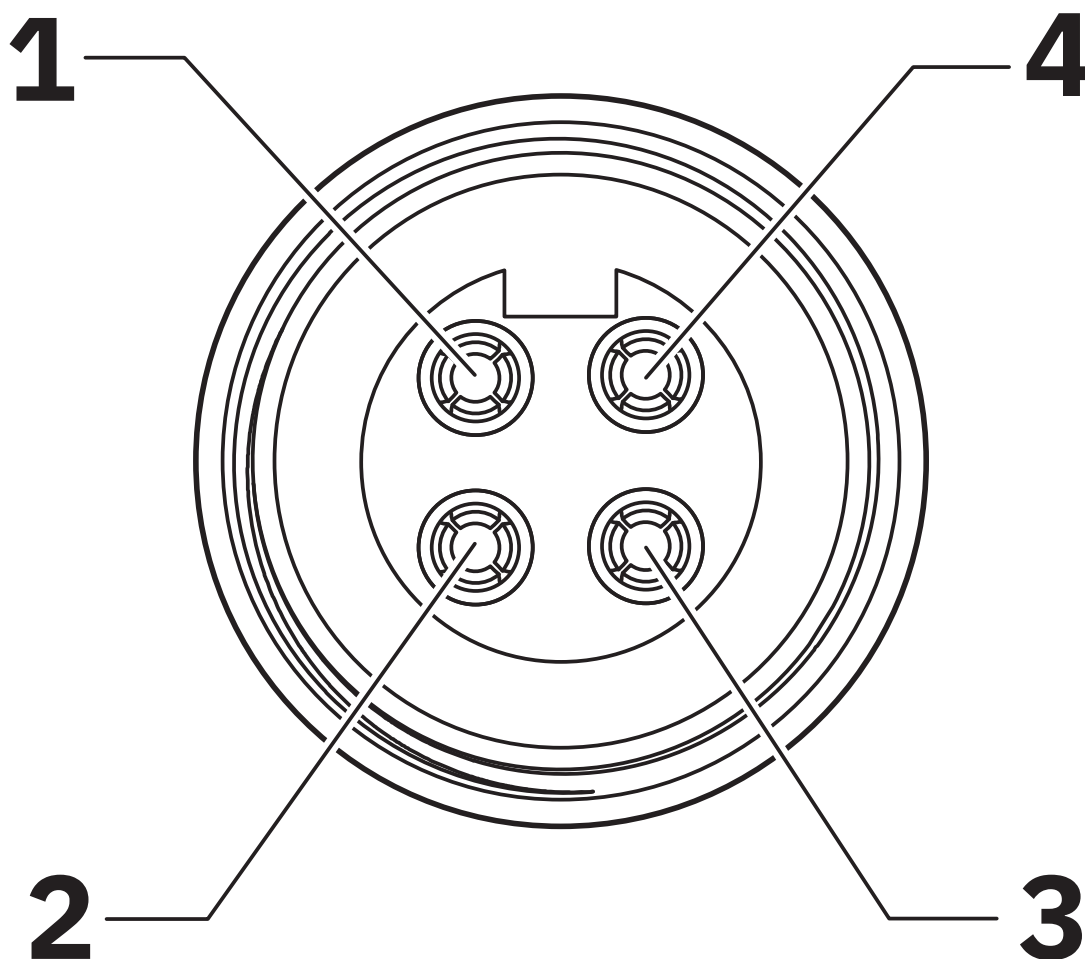
1-3/8"-16UN cordset

Schematic diagram



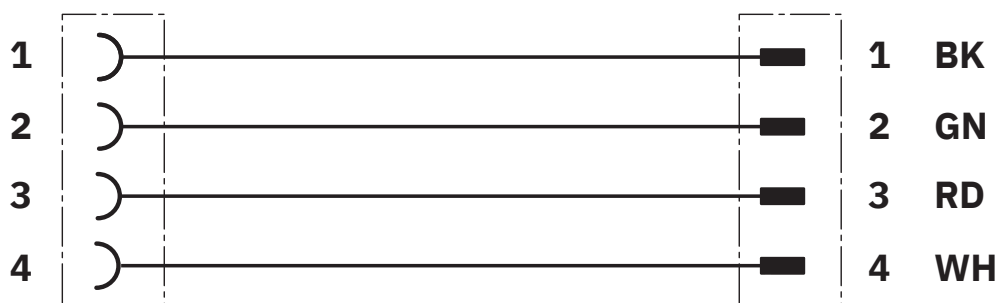
Pin assignment, plug, 1-3/8"-16UN, 4-pos., view of male side

Schematic diagram



Pin assignment, socket, 1-3/8"-16UN, 4-pos., view of female 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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