# PDCC-MINFS-6CON - Connector

1559248

https://www.phoenixcontact.com/us/products/1559248

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Connector, 6-position, Socket straight 7/8"-16UNF, coding: A, Screw connection, knurl material: Nickel-plated brass, external cable diameter 8 mm ... 17 mm

## Commercial data

| | |
|---|---|
| Item number | 1559248 |
| Packing unit | 1 pc |
| Sales key | BF37 |
| Product key | BF2ICB |
| GTIN | 4067923039827 |
| Weight per piece (including packing) | 22.22 g |
| Weight per piece (excluding packing) | 22.22 g |
| Country of origin | US |

# Technical data

## Notes

| | |
|---|---|
| Assembly note | with packaging |

Trade restriction

| | |
|---|---|
| CE note | The products are offered exclusively for export outside the EU and the European Economic Area. |

## Product properties

| | |
|---|---|
| Product type | Circular connector (cable-side) |
| Number of positions | 6 |
| Shielded | no |

## Dimensions

External dimensions

| | |
|---|---|
| Outside diameter | 8 mm ... 17 mm |

## Material specifications

| | |
|---|---|
| Seal material | NBR |
| Material of grip body | Black polyamide |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PVC |
| Material for screw connection | Nickel-plated brass |

## Connection data

Conductor connection

| | |
|---|---|
| Connection method | Screw connection |
| Connection cross section AWG | 22 ... 14 |
| Tightening torque | 7/8" connector |

## Electrical properties

| | |
|---|---|
| Nominal voltage $U_N$ | 600 V |
| Nominal current $I_N$ | 15 A (14AWG), 10 A (16AWG), 8 A (18AWG), 4 A (20-22AWG) |

## Connector

Connection 1

| | |
|---|---|
| Head design | Socket |
| Head cable outlet | straight |
| Head thread type | 7/8"-16UNF |
| Coding | A |

## Environmental and real-life conditions

### Ambient conditions

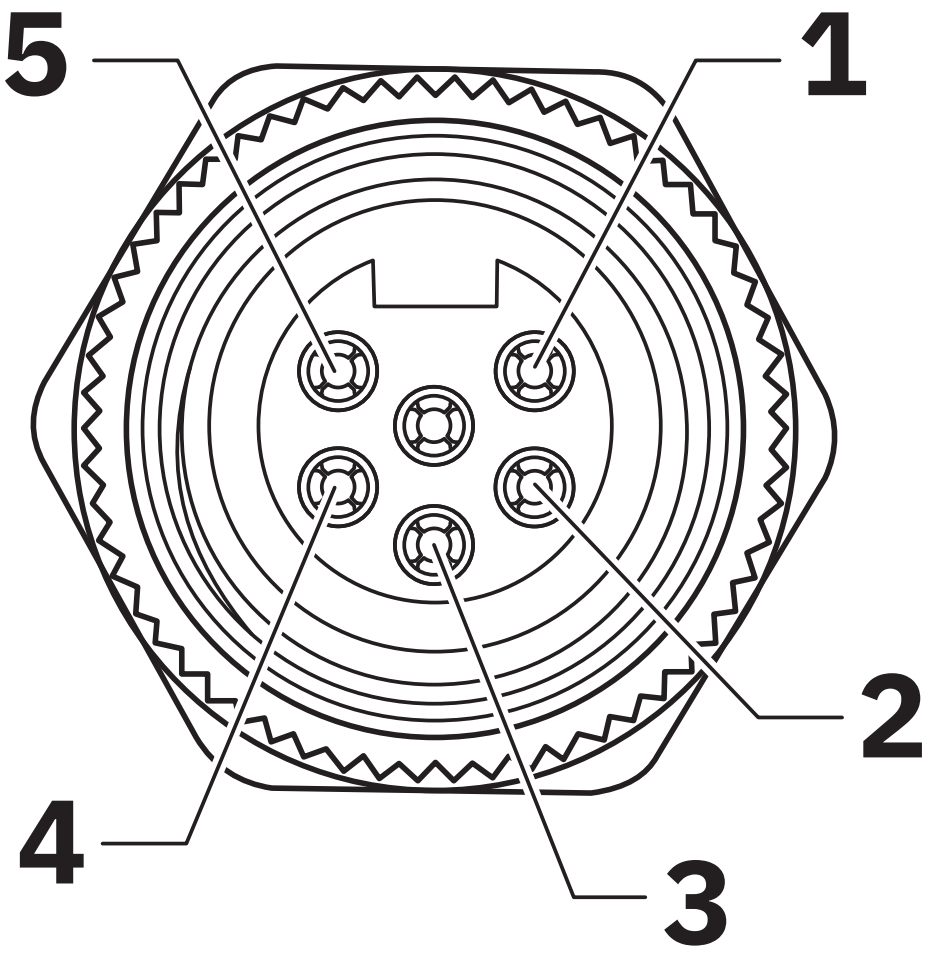
| | |
|---|---|
| Degree of protection | IP67 |

## Standards and regulations

| | |
|---|---|
| Standards/specifications | UL 2238 |

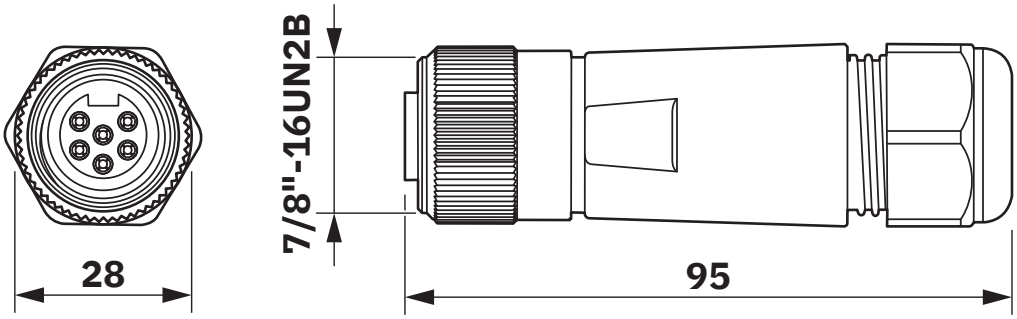
## Drawings

Schematic diagram




Pin assignment, socket, 7/8"-16UNF, 6-pos., view of female side

Dimensional drawing




Socket 7/8"-16UNF, straight

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1559248

**cULus Listed**
Approval ID: E221474

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| | 600 V | - | - 8 | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-11.0 | 27440102 |
| ECLASS-13.0 | 27440116 |

### ETIM

| | |
|---|---|
| ETIM 8.0 | EC002635 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |

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