

1592491  
<https://www.phoenixcontact.com/us/products/1592491>

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Device connector rear mounting, straight, Screw locking mechanism, M16, number of positions: 8, contact connection type: Pin, Axial O-ring, Central fixing, shielded: no, number of positions: 8, connection method: Solder connection, series: PV

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1592491                        |
| Packing unit                         | 12 pc                          |
| Minimum order quantity               | 48 pc                          |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAKR                         |
| GTIN                                 | 4046356191258                  |
| Weight per piece (including packing) | 21.67 g                        |
| Weight per piece (excluding packing) | 21.67 g                        |
| Country of origin                    | DE                             |

# PV-08P1N12HG00 - Device connector rear mounting



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## Technical data

### Product properties

|                     |                                   |
|---------------------|-----------------------------------|
| Product type        | Circular connectors (device side) |
| Series              | PV                                |
| Application         | Signal                            |
| Number of positions | 8                                 |
| Connection profile  | 8                                 |
| Shielded            | no                                |
| Coding              | N                                 |
| Thread type         | M16                               |

### Material specifications

|                            |  |
|----------------------------|--|
| Seal material              | FPM or NBR or EPDM   |
| Housing material           | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Insulator material         | PA 6.6   |
| Contact material           | CuZn   |
| Contact surface            | Nickel-plated, gold coating  |
| Gasket and O-ring material | FPM  |

### Electrical properties

#### Contact

|                                |                      |
|--------------------------------|----------------------|
| Min. cross section             | 0.08 mm <sup>2</sup> |
| Max. cross section             | 0.34 mm <sup>2</sup> |
| Nominal current I <sub>N</sub> | 0.8 A                |
| Nominal voltage U <sub>N</sub> | 48 V AC              |
|                                | 74 V DC              |
| Overvoltage category           | II                   |
| Degree of pollution            | 3                    |
| Rated surge voltage            | 0.8 kV               |

### Connection data

#### Conductor connection

|                         |                   |
|-------------------------|-------------------|
| Connection method       | Solder connection |
| Contact connection type | Pin               |

### Mechanical properties

#### Mechanical data

|                             |    |
|-----------------------------|----|
| Insertion/withdrawal cycles | 50 |
|-----------------------------|----|

### Connector

|      |          |
|------|----------|
| Type | straight |
|------|----------|

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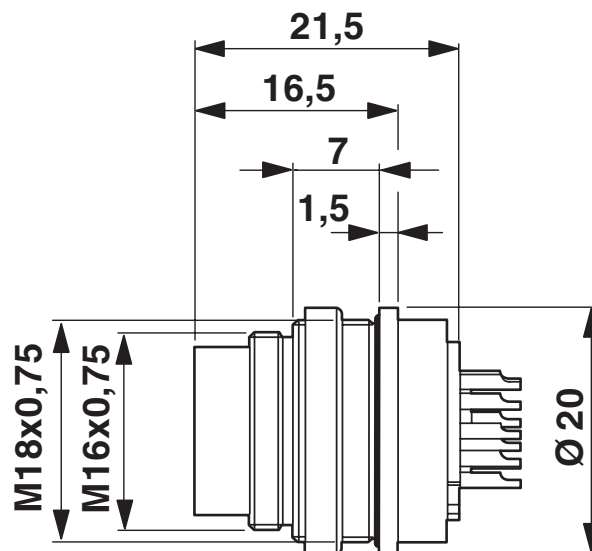
## Environmental and real-life conditions

### Ambient conditions

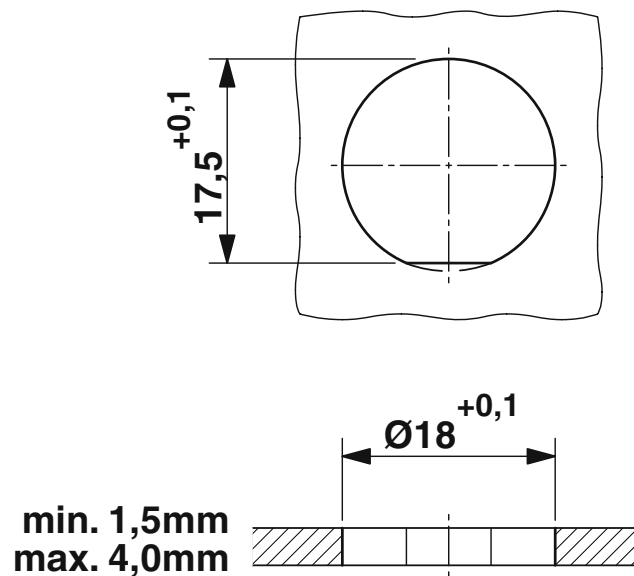
|                                 |                   |
|---------------------------------|-------------------|
| Degree of protection            | IP67              |
| Ambient temperature (operation) | -20 °C ... 125 °C |
| Altitude                        | 2000 m            |

## Drawings

Dimensional drawing



Dimensional drawing



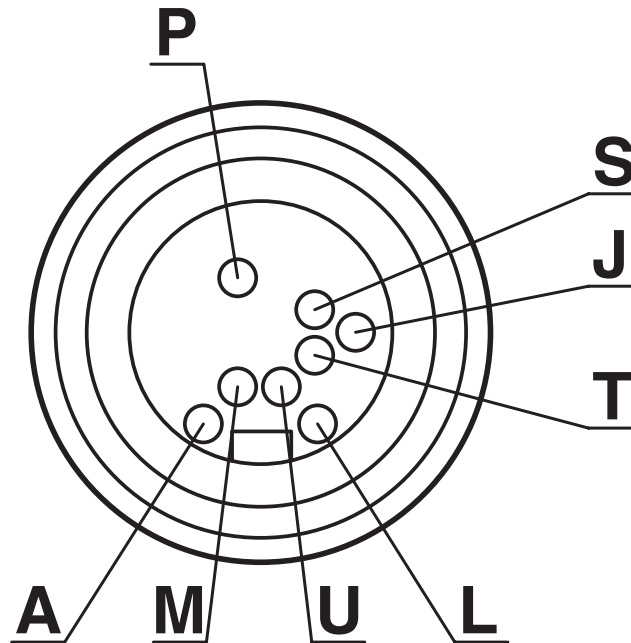
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Schematic diagram



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