# PRC 5-TC-FS6  8-21 - Test plug

1621325

https://www.phoenixcontact.com/us/products/1621325

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PRC test plug, 2000 plug cycles, can be released by hand, black, 5-pos., 1.5 $mm^2$ ... 6 $mm^2$ / 690 V / 35 A, with screw connection for cables with an outside diameter of 8 mm ... 21 mm.

## Your advantages

- Up to 75% smaller in size than industrial connectors with the same rating
- Locking mechanism can be unlocked manually or using a tool
- Suitable for applications in atmospheres containing salt and in direct sunlight
- Ideal for indoor and outdoor use due to weatherproof materials

## Commercial data

| | |
|---|---|
| Item number | 1621325 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB03 |
| Product key | ABLCZA |
| GTIN | 4046356914727 |
| Weight per piece (including packing) | 104 g |
| Weight per piece (excluding packing) | 90.496 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

## Technical data

### Notes

| | |
|---|---|
| Order information: | Manually releasable version with orange release latch |

### Product properties

| | |
|---|---|
| Product type | Installation connector |
| Product family | PRC 35 |
| Number of positions | 5 |
| Connection profile | 4+PE |
| Coding | AD |

Insulation characteristics

| | |
|---|---|
| Protection class | II |
| Degree of pollution | 2 |

### Electrical properties

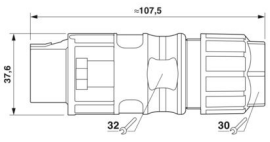
| | |
|---|---|
| Rated voltage (III/2) | 690 V |
| Rated voltage | 690 V AC (III/2) in accordance with IEC 61984 |
| | 500 V AC / DC (III/2) in accordance with IEC 61535 |
| | 600 V AC / DC (III/2) in accordance with UL 2238 / UL 2237 |
| Rated surge voltage (III/2) | 8 kV |
| Rated current | 35 A (with 6 mm² conductor cross-section) |

### Connection data

Connection technology

| | |
|---|---|
| Connection method | Screw connection |

### Dimensions

| | |
|---|---|
| Dimensional drawing |   |
| Width | 37.6 mm |
| Height | 37.6 mm |
| Length | 105 mm |

External dimensions

| | |
|---|---|
| Outside diameter | 8 mm ... 21 mm |

### Material specifications

| | |
|---|---|
| Color (Housing) | black (RAL 9005) |
| Color of the housing part | black |

| | |
|---|---|
| Material Seal | EPDM |
| Material Contact carrier | PPE |
| Material Housing | PPE |
| Material Contact | Cu alloy |
| Flammability rating according to UL 94 | V0 |
| Material of grip body | PPE |
| Cable seal material | EPDM |
| Contact surface material | silver-plated |
| O-ring material | EPDM |
| Material for screw connection | PPE |

## Connector

| | |
|---|---|
| Pull-out-force | 175 N ±50 N |

## Cable/line

| | |
|---|---|
| External cable diameter | 8 mm ... 21 mm |

## Mechanical properties

Mechanical data

| | |
|---|---|
| Insertion/withdrawal cycles | 2000 (Number of device plug mating cycles: 100) |
| Insertion force | 40 N ±10 N |

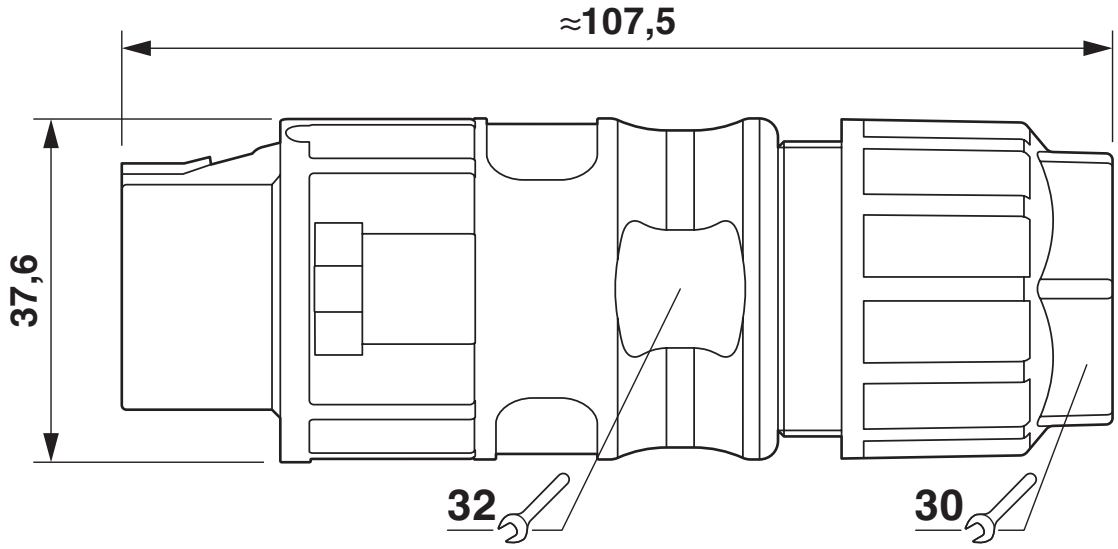
## Environmental and real-life conditions

Ambient conditions

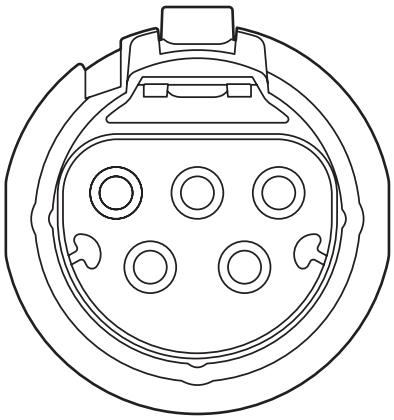
| | |
|---|---|
| Degree of protection (when plugged in) | IP66/IP68 (2 m / 24 h) IP69K |
| Degree of protection | IP66/IP68 (2 m / 24 h) IP69K |
| | IP66/IP68 (2 m / 24 h) IP69K |
| Category of shock impact | IK08 (-25°C) |
| Ambient temperature (operation) | -40 °C ... 105 °C (dependent on the derating curve) |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Ambient temperature (assembly) | 5 °C ... 85 °C |

## Drawings

Dimensional drawing




Schematic diagram



Connector pin assignment

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440691 |
| ECLASS-15.0 | 27440691 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002863 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Triphenyl phosphate(CAS: 115-86-6) |
| SCIP | f1e46c7b-e4a0-40ac-b535-8c482a2624f6 |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 1.16 kg CO2e |

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