

# FTPR-2/10 - Test plug

3001688

<https://www.phoenixcontact.com/us/products/3001688>

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Test plug, Freely configurable, with twist grip, nom. voltage: 400 V, nominal current: 24 A, Rated cross section: 2.5 mm<sup>2</sup>, color: gray



The figure shows the standard item

## Your advantages

- Easy and time saving, thanks to functional grouping of switching operations
- Space saving, thanks to offset test socket arrangement
- Cost-effective, thanks to the tailored, modular design and use of standardized CLIPLINE complete accessories
- Safe, thanks to guided operation with patented twist grip
- The integrated, robust switch contact is designed for the most stringent demands, and the use of high-quality materials ensures the transmission of signal currents, even after multiple actuations
- Maximum safety with leading and automatic transformer short circuit
- The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 3001688                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | NULL                           |
| Product key                          | BE6112                         |
| GTIN                                 | 4046356962964                  |
| Weight per piece (including packing) | 649.9 g                        |
| Weight per piece (excluding packing) | 649.9 g                        |
| Customs tariff number                | 85366990                       |
| Country of origin                    | PL                             |

## Technical data

### Product properties

|                     |                          |
|---------------------|--------------------------|
| Product type        | Test plug terminal block |
| Number of positions | 10                       |
| Pitch               | 8.2 mm                   |
| Number of rows      | 1                        |
| Potentials          | 10                       |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
|----------------------|-----|

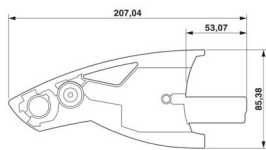
### Electrical properties

|                                                 |        |
|-------------------------------------------------|--------|
| Rated surge voltage                             | 4 kV   |
| Maximum power dissipation for nominal condition | 1.31 W |
| Test surge voltage                              | 5 kV   |

### Connection data

|                                         |                                                           |
|-----------------------------------------|-----------------------------------------------------------|
| Nominal cross section                   | 6 mm <sup>2</sup>                                         |
| Test socket torque                      | 0.5                                                       |
| Note                                    | The conductor cross-section depends on the cable lug used |
| Conductor cross-section flexible        | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>               |
| Conductor cross-section, flexible [AWG] | 20 ... 14 (converted acc. to IEC)                         |
| Nominal cross section                   | 2.5 mm <sup>2</sup>                                       |
| Nominal current                         | 24 A                                                      |
| Maximum load current                    | 24 A                                                      |
| Nominal voltage                         | 400 V AC/DC                                               |

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 114.1 mm                                                                             |
| Height              | 86 mm                                                                                |
| Pitch               | 8.2 mm                                                                               |

### Material specifications

|                                        |                 |
|----------------------------------------|-----------------|
| Color                                  | gray (RAL 7042) |
| Flammability rating according to UL 94 | V0              |
| Insulating material group              | I               |
| Insulating material                    | PA              |

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## Mechanical properties

### Mechanical data

|                 |    |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

## Environmental and real-life conditions

### Ambient conditions

|                                          |                                                                           |
|------------------------------------------|---------------------------------------------------------------------------|
| Ambient temperature (operation)          | -60 °C ... 85 °C                                                          |
| Ambient temperature (storage/transport)  | -25 °C ... 55 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Ambient temperature (assembly)           | -5 °C ... 70 °C                                                           |
| Ambient temperature (actuation)          | -5 °C ... 70 °C                                                           |
| Permissible humidity (storage/transport) | 30 % ... 70 %                                                             |

## Mounting

|               |                         |
|---------------|-------------------------|
| Mounting type | Insertion in base strip |
|---------------|-------------------------|

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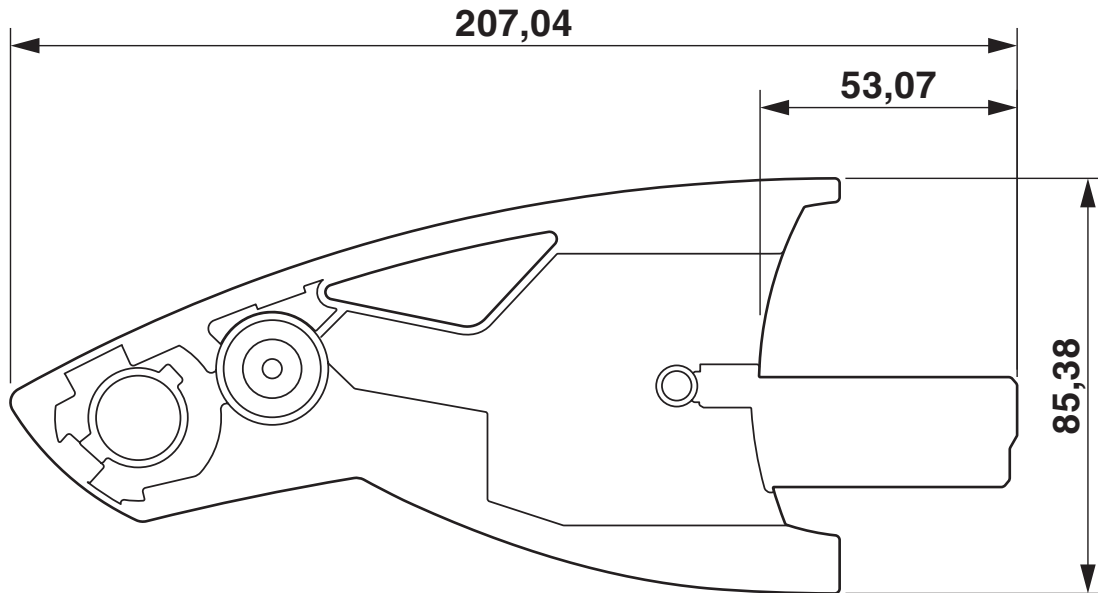
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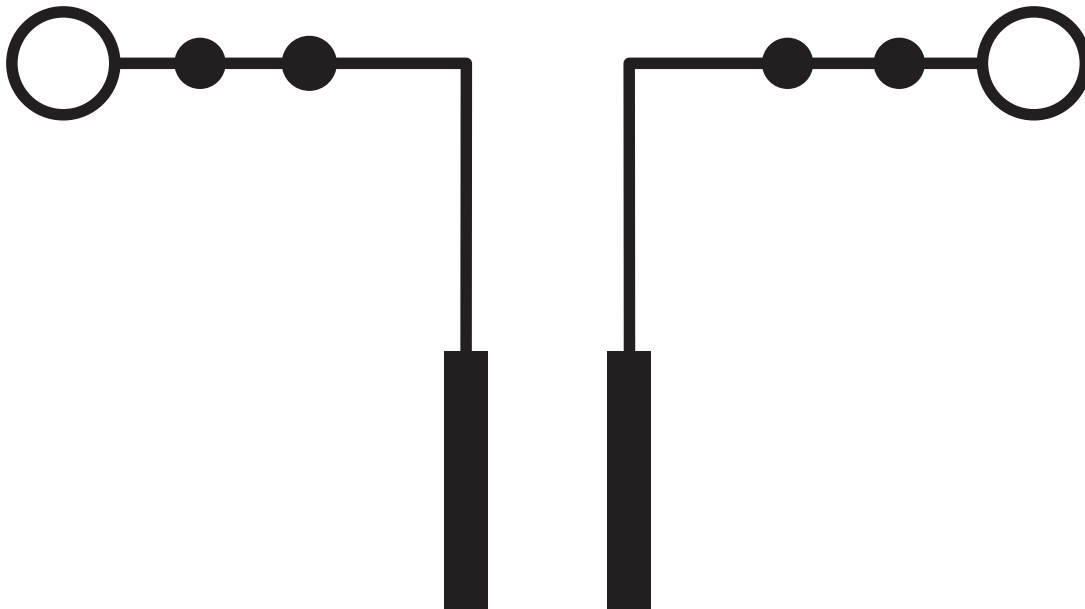


## Drawings

Dimensional drawing



Circuit diagram



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250304 |
| ECLASS-15.0 | 27250304 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002555 |
|----------|----------|

### UNSPSC

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

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## 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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