

# FTPR-3/5S - Test plug



3069965

<https://www.phoenixcontact.com/us/products/3069965>

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Test plug, With twist grip, nom. voltage: 400 V, nominal current: 20 A, number of positions: 5,  
Rated cross section: 2.5 mm<sup>2</sup>, color: gray



## Your advantages

- Space saving, thanks to offset test socket arrangement
- Easy and time saving, thanks to functional grouping of switching operations
- 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
- The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement
- Maximum safety with leading and automatic transformer short circuit

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 3069965             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BE06                |
| Product key                          | BE6113              |
| Catalog page                         | Page 637 (C-1-2019) |
| GTIN                                 | 4055626273679       |
| Weight per piece (including packing) | 381.6 g             |
| Weight per piece (excluding packing) | 380 g               |
| Customs tariff number                | 85366990            |
| Country of origin                    | PL                  |

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## Technical data

### Product properties

|                     |                          |
|---------------------|--------------------------|
| Product type        | Test plug terminal block |
| Number of positions | 5                        |
| Pitch               | 8.2 mm                   |
| Potentials          | 5                        |

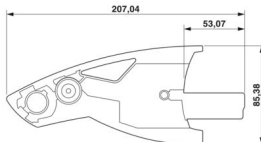
### Electrical properties

|                                                 |        |
|-------------------------------------------------|--------|
| Maximum power dissipation for nominal condition | 1.31 W |
|-------------------------------------------------|--------|

### 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 current                         | 20 A                                                      |
| Maximum load current                    | 20 A                                                      |
| Nominal voltage                         | 400 V AC/DC                                               |
| Nominal cross section                   | 2.5 mm <sup>2</sup>                                       |

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 71.6 mm                                                                              |
| Height              | 86 mm                                                                                |
| Pitch               | 8.2 mm                                                                               |

### Material specifications

|                                                                         |                 |
|-------------------------------------------------------------------------|-----------------|
| Color                                                                   | gray (RAL 7042) |
| Flammability rating according to UL 94                                  | V0              |
| Insulating material                                                     | PA              |
| Static insulating material application in cold                          | -60 °C          |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C          |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C          |
| Fire protection for rail vehicles (DIN EN 45545-2) R22                  | HL 1 - HL 3     |
| Fire protection for rail vehicles (DIN EN 45545-2) R23                  | HL 1 - HL 3     |
| Fire protection for rail vehicles (DIN EN 45545-2) R24                  | HL 1 - HL 3     |
| Fire protection for rail vehicles (DIN EN 45545-2) R26                  | HL 1 - HL 3     |

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|                                                         |            |
|---------------------------------------------------------|------------|
| Calorimetric heat release NFPA 130 (ASTM E 1354)        | 27,5 MJ/kg |
| Surface flammability NFPA 130 (ASTM E 162)              | passed     |
| Specific optical density of smoke NFPA 130 (ASTM E 662) | passed     |
| Smoke gas toxicity NFPA 130 (SMP 800C)                  | passed     |

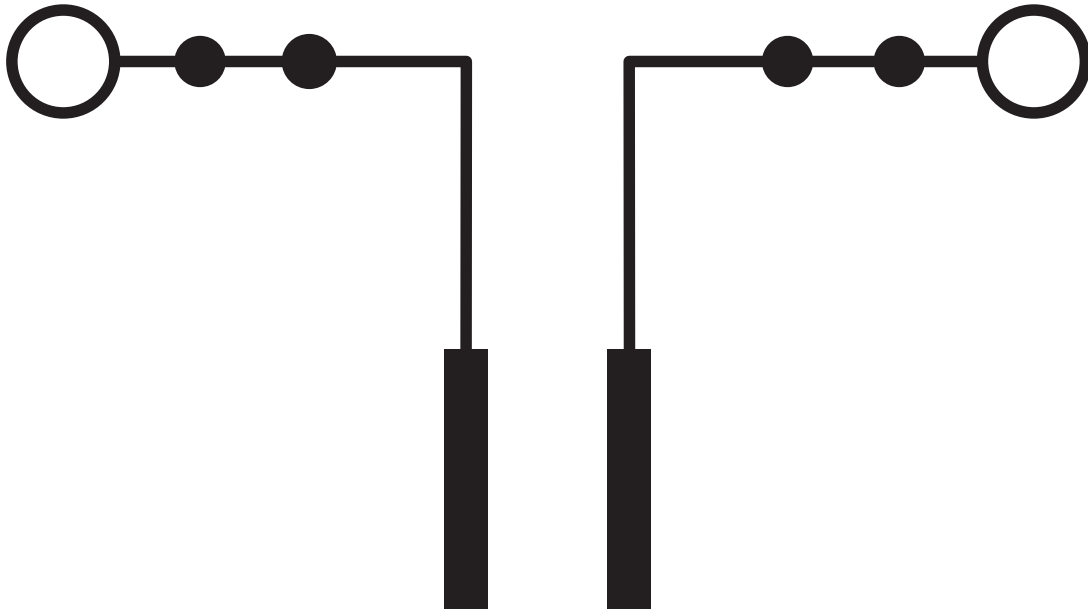
## Environmental and real-life conditions

### Ambient conditions

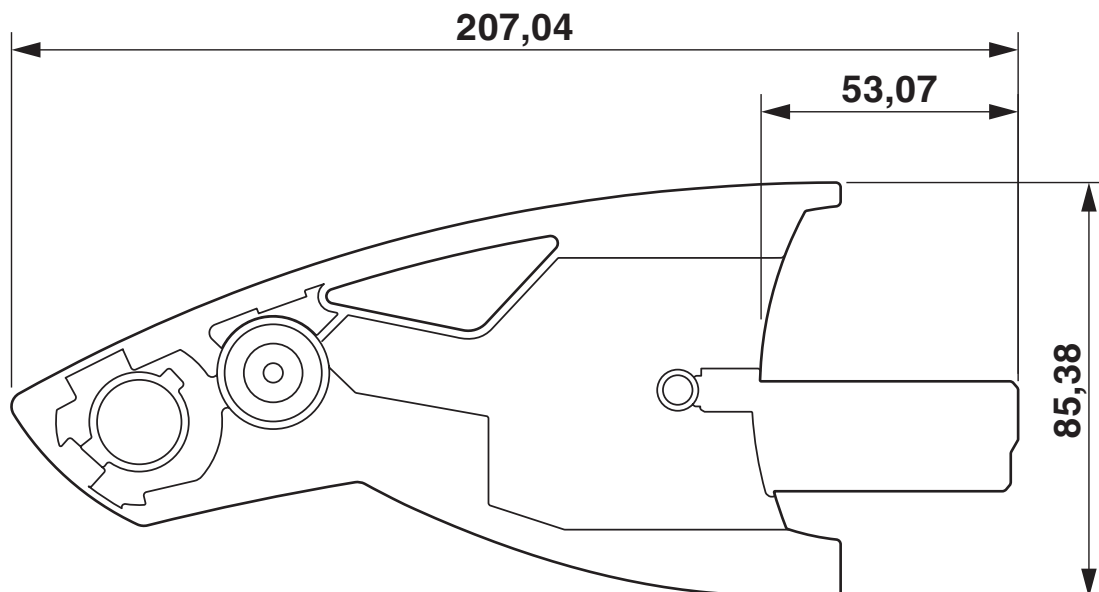
|                                          |                                                                           |
|------------------------------------------|---------------------------------------------------------------------------|
| Ambient temperature (storage/transport)  | -25 °C ... 60 °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 %                                                             |

## Drawings

Circuit diagram



Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3069965>



**cULus Recognized**  
Approval ID: E60425



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|             | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|-------------|-----------------------|-----------------------|-------------------|-----------------------------|
| Use group B |                       |                       |                   |                             |
|             | 300 V                 | 31 A                  | -                 | -                           |
| Use group C |                       |                       |                   |                             |
|             | 300 V                 | 31 A                  | -                 | -                           |
| Use group F |                       |                       |                   |                             |
|             | 690 V                 | 31 A                  | -                 | -                           |
| Use group D |                       |                       |                   |                             |
|             | 600 V                 | 5 A                   | -                 | -                           |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440313 |
| ECLASS-12.0 | 27440313 |
| ECLASS-13.0 | 27250304 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002255 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 20122000 |
|-------------|----------|

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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)                 |
| SCIP                                | 0d5c917f-023e-45b7-aacd-3e2af0b5b2a6 |

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