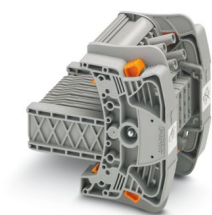


# FTPC 5+1 - Test plug



3069261  
<https://www.phoenixcontact.com/us/products/3069261>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Test plug, nom. voltage: 400 V, nominal current: 24 A, number of positions: 6, connection method: Screw connection, Rated cross section: 2.5 mm<sup>2</sup>, color: gray

## Your advantages

- The test blocks can be used universally for voltage transducers and current transformers
- The robust test plug guarantees user-friendly handling and provides fixing options for the test cables to be connected<br/>
- 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

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3069261       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | BE6111        |
| GTIN                                 | 4055626379968 |
| Weight per piece (including packing) | 286.4 g       |
| Weight per piece (excluding packing) | 276.4 g       |
| Country of origin                    | PL            |

## Technical data

### Product properties

|                     |                          |
|---------------------|--------------------------|
| Product type        | Test plug terminal block |
| Product family      | FAME 1                   |
| Number of positions | 6                        |
| Pitch               | 8.2 mm                   |
| Potentials          | 6                        |

### 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                                                       |
| Connection method                       | Screw connection                                          |
| 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                         | 24 A                                                      |
| Maximum load current                    | 24 A                                                      |
| Nominal voltage                         | 400 V                                                     |
| Nominal cross section                   | 2.5 mm <sup>2</sup>                                       |

### Dimensions

|       |        |
|-------|--------|
| 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     |
| 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          |

## Electrical tests

### Surge voltage test

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 4.8 kV      |
| Result                | Test passed |

### Temperature-rise test

|                                                |                                     |
|------------------------------------------------|-------------------------------------|
| Requirement temperature-rise test              | Increase in temperature $\leq 45$ K |
| Result                                         | Test passed                         |
| Short-time withstand current 4 mm <sup>2</sup> | 300 A                               |
|                                                | 500 A                               |
|                                                | 1250 A                              |
| Result                                         | Test passed                         |

### Power-frequency withstand voltage

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 1.89 kV     |
| Result                | Test passed |

## Mechanical tests

### Mechanical strength

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

### Attachment on the carrier

|                         |              |
|-------------------------|--------------|
| DIN rail/fixing support | Panel cutout |
| Test force setpoint     | 5 N          |
| Result                  | Test passed  |

### Test for conductor damage and slackening

|                                |                              |
|--------------------------------|------------------------------|
| Rotation speed                 | 10 rpm                       |
| Revolutions                    | 135                          |
| Conductor cross-section/weight | 0.2 mm <sup>2</sup> / 0.2 kg |
|                                | 6 mm <sup>2</sup> / 1.4 kg   |
|                                | 10 mm <sup>2</sup> / 2 kg    |
| Result                         | Test passed                  |

## Environmental and real-life conditions

### Needle-flame test

|                  |             |
|------------------|-------------|
| Time of exposure | 30 s        |
| Result           | Test passed |

### Oscillation/broadband noise

|               |                                                  |
|---------------|--------------------------------------------------|
| Specification | DIN EN 50155 (VDE 0115-200):2008-03              |
| Spectrum      | Long life test category 1, class B, body mounted |
| Frequency     | $f_1 = 5$ Hz to $f_2 = 150$ Hz                   |
| ASD level     | 1.857 (m/s <sup>2</sup> )/Hz                     |

# FTPC 5+1 - Test plug



3069261

<https://www.phoenixcontact.com/us/products/3069261>

|                        |                   |
|------------------------|-------------------|
| Acceleration           | 0.8g              |
| Test duration per axis | 5 h               |
| Test directions        | X-, Y- and Z-axis |
| Result                 | Test passed       |

## Shocks

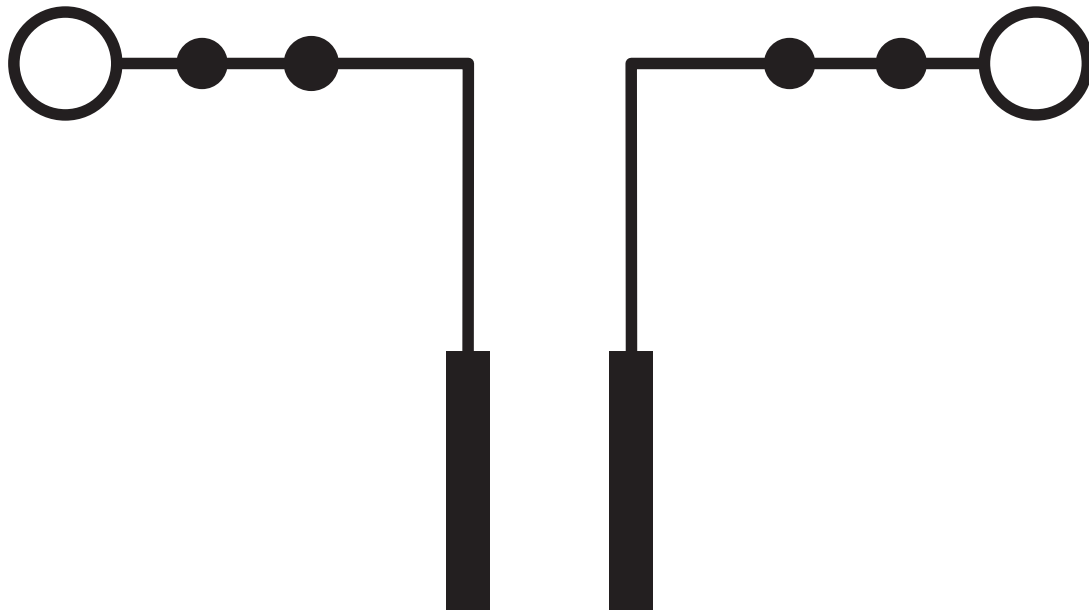
|                                |                                     |
|--------------------------------|-------------------------------------|
| Specification                  | DIN EN 50155 (VDE 0115-200):2008-03 |
| Pulse shape                    | Half-sine                           |
| Acceleration                   | 5g                                  |
| Shock duration                 | 30 ms                               |
| Number of shocks per direction | 3                                   |
| Test directions                | X-, Y- and Z-axis (pos. and neg.)   |
| Result                         | Test passed                         |

## 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



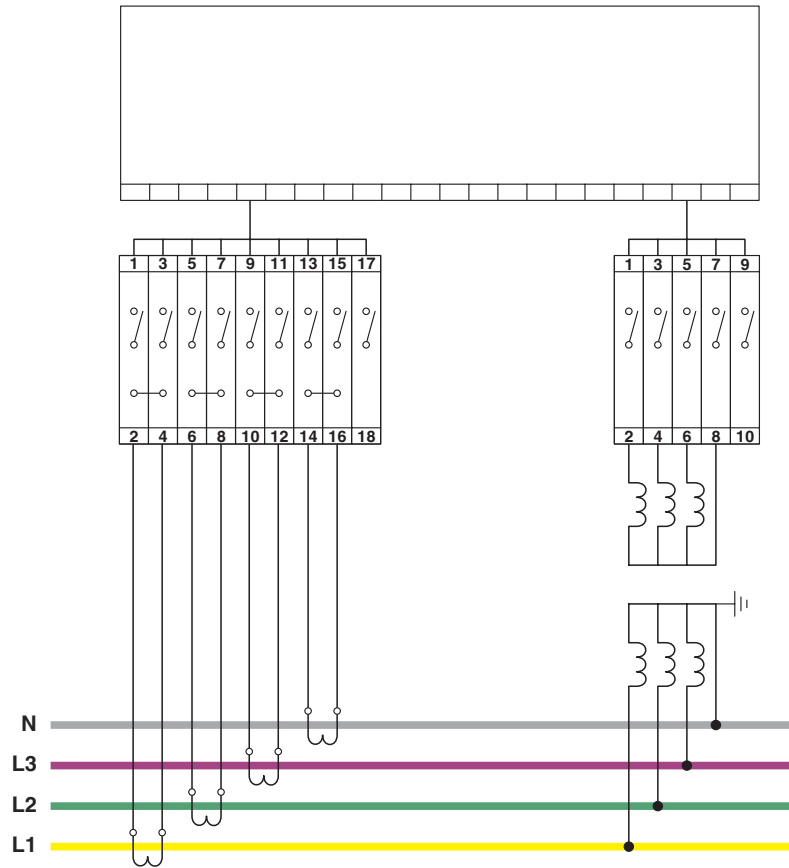
# FTPC 5+1 - Test plug

3069261

<https://www.phoenixcontact.com/us/products/3069261>



Circuit diagram



# FTPC 5+1 - Test plug

3069261

<https://www.phoenixcontact.com/us/products/3069261>



## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3069261>

|   |                                                                                                                                  |                                |                   |                               |
|---|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------|-------------------------------|
| F |  <b>cULus Recognized</b><br>Approval ID: E60425 |                                |                   |                               |
|   | Nominal voltage U <sub>N</sub>                                                                                                   | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
|   | 400 V                                                                                                                            | 31 A                           | -                 | -                             |

|                                                                                   |                                  |
|-----------------------------------------------------------------------------------|----------------------------------|
|  | <b>CSA</b><br>Approval ID: 13631 |
|-----------------------------------------------------------------------------------|----------------------------------|

|                                                                                   |                                               |
|-----------------------------------------------------------------------------------|-----------------------------------------------|
|  | <b>EAC</b><br>Approval ID: KZ7500651131219505 |
|-----------------------------------------------------------------------------------|-----------------------------------------------|

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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



# FTPC 5+1 - Test plug

3069261

<https://www.phoenixcontact.com/us/products/3069261>



## 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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)