

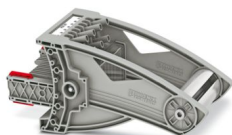
FTP-2/B7 - Test plug



3069471
<https://www.phoenixcontact.com/us/products/3069471>

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Test plug, A detailed circuit diagram can be found under Miscellaneous Downloads, VDE coded type B7, nom. voltage: 400 V, nominal current: 24 A, Rated cross section: 2.5 mm², 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
- The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement

- 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

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 3069471 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | BE6112 |
| Catalog page | Page 631 (C-1-2019) |
| GTIN | 4046356907811 |
| Weight per piece (including packing) | 430.6 g |
| Weight per piece (excluding packing) | 99.99 g |
| Country of origin | PL |

Technical data

Notes

| | |
|---------|---|
| General | A detailed circuit diagram can be found under Miscellaneous Downloads |
|---------|---|

Product properties

| | |
|---------------------|--------------------------|
| Product type | Test plug terminal block |
| Number of positions | 7 |
| Pitch | 8.2 mm |
| Number of rows | 1 |
| Potentials | 7 |

Insulation characteristics

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

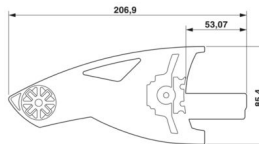
Electrical properties

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

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 71 mm |
| Height | 86 mm |
| Pitch | 8.2 mm |

Material specifications

| | |
|-------|------|
| Color | gray |
|-------|------|

| | |
|---|-------------|
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| 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 |

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

| | |
|--|---|
| Ambient temperature (operation) | -60 °C ... 105 °C (max. short-term operating temperature RTI Elec.) |
| 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 % |

Mounting

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

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27141190 |
| ECLASS-13.0 | 27141190 |
| ECLASS-12.0 | 27141190 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002848 |
|----------|----------|

UNSPSC

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

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