

RSCWE 6-3/15 - Plug-in test socket



3969954

<https://www.phoenixcontact.com/us/products/3969954>

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Plug-in test socket, nom. voltage: 400 V, number of connections: 30, number of positions: 15, connection method: Ring cable lug, Rated cross section: 6 mm², 1 level, mounting type: Panel mounting, color: gray

The figure shows a version of the article

Your advantages

- Space saving, thanks to compact, modular plug-in test sockets
- Cost-effective, thanks to the tailored, modular design and use of standardized CLIPLINE complete accessories
- Maximum safety with leading and automatic transformer short circuit
- 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 | 3969954 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BE06 |
| Product key | BE6113 |
| GTIN | 4055626394657 |
| Weight per piece (including packing) | 592 g |
| Weight per piece (excluding packing) | 573.61 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

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Technical data

Product properties

| | |
|-----------------------|---------------------|
| Product type | Test terminal strip |
| Product family | FAME 3 |
| Number of positions | 15 |
| Pitch | 8.2 mm |
| Number of connections | 30 |
| Number of rows | 1 |
| Potentials | 15 |

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

| | |
|---------------------------------|-------------------|
| Number of connections per level | 30 |
| Nominal cross section | 6 mm ² |

1 level

| | |
|--|--|
| Connection method | Ring cable lug |
| Screw thread | No 8 UNC |
| Tightening torque | 1.5 ... 1.8 Nm |
| Internal cylindrical gage | A5 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section flexible | 0.5 mm ² ... 10 mm ² |
| Conductor cross-section, flexible [AWG] | 24 ... 8 (converted acc. to IEC) |
| 2 conductors with same cross section, rigid | 0.5 mm ² ... 6 mm ² |
| 2 conductors with same cross section, flexible | 0.5 mm ² ... 6 mm ² |
| Nominal cross section | 6 mm ² |
| Maximum load current | 30 A (with 10 mm ² conductor cross-section) |
| Nominal voltage | 400 V AC/DC |

Cable lug connection DIN 46234:1980-03

| | |
|----------------------------------|--|
| Connection in acc. with standard | DIN 46234:1980-03 |
| Cross section | 0.5 mm ² ... 10 mm ² |
| Cross section range AWG | (converted acc. to IEC) |
| Hole diameter | 4.3 mm |
| Width | 8 mm |
| Bolt diameter | 4.1 mm |
| Connection in acc. with standard | DIN 46237:1970-07 |

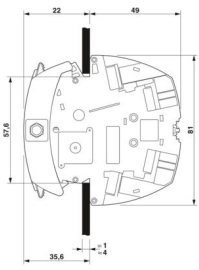
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| | |
|--|--|
| Cross section | 0.5 mm ² ... 10 mm ² |
| Cross section range AWG | (converted acc. to IEC) |
| Hole diameter | 4.3 mm |
| Width | 8 mm |
| Bolt diameter | 4.1 mm |
| Identification color of ring cable lugs : red | 1 mm ² |
| Identification color of ring cable lugs : blue | 2.5 mm ² |
| Identification color of ring cable lugs : yellow | 6 mm ² |

Dimensions

| | |
|---------------------|---|
| Dimensional drawing |  |
| Width | 154.9 mm |
| Height | 81 mm |
| Depth | 70.1 mm |
| Pitch | 8.2 mm |
| Plate thickness | 1 mm ... 4 mm |

Material specifications

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

Mechanical properties

General

| | |
|-------------------------|-----------------|
| Terminal block mounting | 0.8 Nm ... 1 Nm |
|-------------------------|-----------------|

Mechanical data

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

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 % |

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Standards and regulations

| | |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
|----------------------------------|---------------|

Mounting

| | |
|-------------------------|-----------------|
| Mounting type | Panel mounting |
| Terminal block mounting | 0.8 Nm ... 1 Nm |

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Drawings

Dimensional drawing



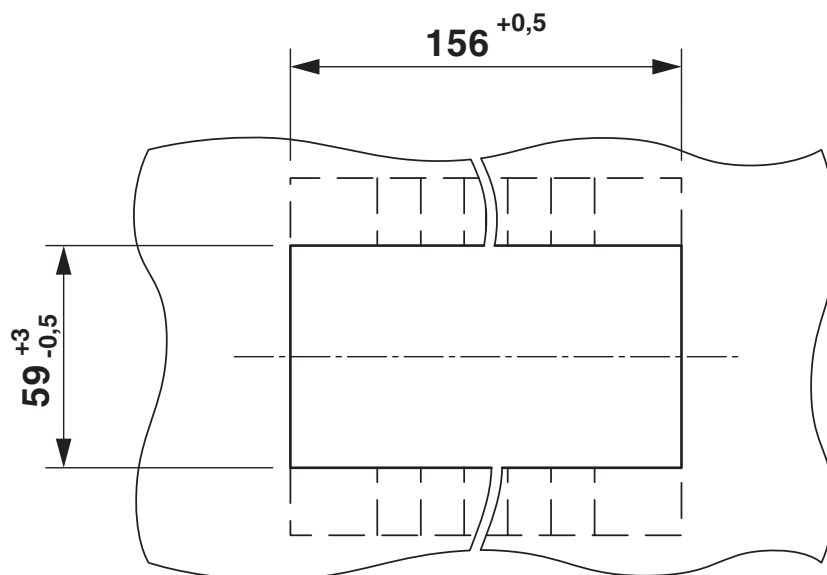
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Dimensional drawing



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Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3969954>

|  cULus Recognized Approval ID: E60425 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| B | 600 V | 31 A | 20 - 8 | - |
| C | 600 V | 31 A | 20 - 8 | - |
| D | 600 V | 5 A | 20 - 8 | - |

|  EAC Approval ID: RU C-DE.BL08.B.00682 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  CSA Approval ID: 13631 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| B | 600 V | 31 A | 20 - 8 | - |
| C | 600 V | 31 A | 20 - 8 | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250190 |
| ECLASS-15.0 | 27250190 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002848 |
|-----------|----------|

UNSPSC

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

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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% |
|-------------------------------------|----------------------------|

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