

RSCWE 6-3/13 - Plug-in test socket



3969916

<https://www.phoenixcontact.com/us/products/3969916>

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.



Plug-in test socket, nom. voltage: 400 V, number of connections: 26, number of positions: 13, connection method: Ring cable lug, Rated cross section: 6 mm², 1 level, mounting type: Panel mounting, color: gray

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 | 3969916 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BE06 |
| Product key | BE6113 |
| GTIN | 4055626271583 |
| Weight per piece (including packing) | 539 g |
| Weight per piece (excluding packing) | 539 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

3969916

<https://www.phoenixcontact.com/us/products/3969916>

Technical data

Product properties

| | |
|-----------------------|---------------------|
| Product type | Test terminal strip |
| Product family | FAME 3 |
| Number of positions | 13 |
| Pitch | 8.2 mm |
| Number of connections | 26 |
| Number of rows | 1 |
| Potentials | 13 |

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 | 26 |
| 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 |

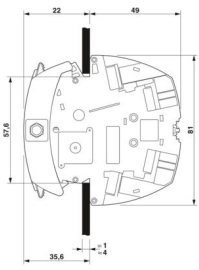
RSCWE 6-3/13 - Plug-in test socket

3969916

<https://www.phoenixcontact.com/us/products/3969916>

| | |
|--|--|
| 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 | 138.6 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 |
| 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

RSCWE 6-3/13 - Plug-in test socket



3969916

<https://www.phoenixcontact.com/us/products/3969916>

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

Temperature-rise test

| | |
|--|-------------------------------------|
| Requirement temperature-rise test | Increase in temperature ≤ 45 K |
| Result | Test passed |
| Short-time withstand current 4 mm ² | 300 A |
| | 500 A |
| | 150 A |
| | 1250 A |
| Result | Test passed |

Power-frequency withstand voltage

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

Mechanical properties

General

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

Mechanical data

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

Mechanical tests

Mechanical strength

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

Attachment on the carrier

| | |
|---------------------|-------------|
| Test force setpoint | 5 N |
| 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 2, bogie-mounted |
| Frequency | $f_1 = 5$ Hz to $f_2 = 250$ Hz |
| ASD level | 6.12 (m/s ²) ² /Hz |
| Acceleration | 3.12g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Result | Test passed |

RSCWE 6-3/13 - Plug-in test socket



3969916

<https://www.phoenixcontact.com/us/products/3969916>

Shocks

| | |
|--------------------------------|-------------------------------------|
| Specification | DIN EN 50155 (VDE 0115-200):2008-03 |
| Pulse shape | Half-sine |
| Acceleration | 30g |
| Shock duration | 18 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 % |

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 |

RSCWE 6-3/13 - Plug-in test socket



3969916

<https://www.phoenixcontact.com/us/products/3969916>

Drawings

Dimensional drawing



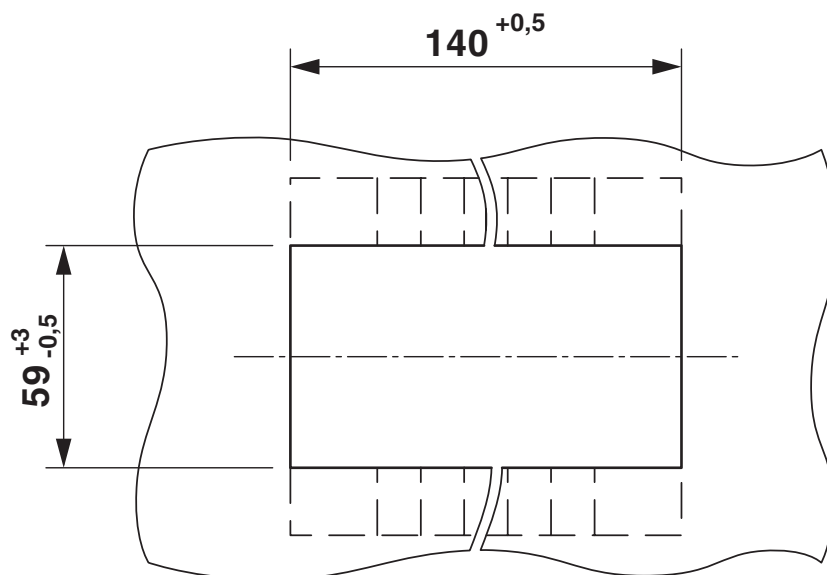
RSCWE 6-3/13 - Plug-in test socket



3969916

<https://www.phoenixcontact.com/us/products/3969916>

Dimensional drawing



RSCWE 6-3/13 - Plug-in test socket

3969916

<https://www.phoenixcontact.com/us/products/3969916>

Circuit diagram



RSCWE 6-3/13 - Plug-in test socket



3969916

<https://www.phoenixcontact.com/us/products/3969916>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3969916>



cULus Recognized
Approval ID: E60425



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 | - |



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



cULus Recognized
Approval ID: E60425

RSCWE 6-3/13 - Plug-in test socket



3969916

<https://www.phoenixcontact.com/us/products/3969916>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

RSCWE 6-3/13 - Plug-in test socket



3969916

<https://www.phoenixcontact.com/us/products/3969916>

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 2026 © - 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