# EO-E/UT/SH - Socket

0804016

https://www.phoenixcontact.com/us/products/0804016

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.



Socket, with extended touch protection/shutter, Pin connector pattern type E, connection method: Screw connection, color: gray, nom. voltage: 250 V AC (50 Hz), nominal current: 16 A, for mounting on a DIN rail in the service interface or direct mounting, standards/specifications: NF C61-314, IEC 60884-1, Country marking: France

## Commercial data

| | |
|---|---|
| Item number | 0804016 |
| Packing unit | 5 pc |
| Minimum order quantity | 5 pc |
| Sales key | BE76 |
| Product key | BE7612 |
| GTIN | 4055626225586 |
| Weight per piece (including packing) | 78.04 g |
| Weight per piece (excluding packing) | 78.04 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

## Technical data

### Notes

General

| | |
|---|---|
| Note | The nominal current does not apply for fuse versions. In this case, the current is determined by the fuse. |

### Product properties

| | |
|---|---|
| Product type | Socket |
| Country ID | France |

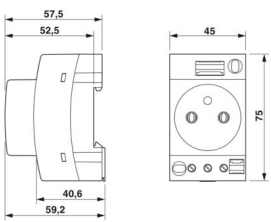
### Connection data

| | |
|---|---|
| Connection method | Screw connection |
| Screw thread | M3 |
| Tightening torque | 0.5 ... 0.6 Nm |
| Stripping length | 8 mm |
| Internal cylindrical gage | A3 |
| | B3 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Cross section AWG | 24 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.25 mm² ... 2.5 mm² |
| Conductor cross-section, flexible [AWG] | 24 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm² ... 2.5 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.25 mm² ... 2.5 mm² |
| Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) | 0.2 mm² ... 4 mm² |
| Nominal current | 16 A |
| Nominal voltage | 250 V AC (50 Hz) |

### Signaling

| | |
|---|---|
| Status display | no |

### Dimensions

| | |
|---|---|
| Dimensional drawing |  |
| Width | 45 mm |
| Height | 75 mm |
| Depth | 59.2 mm |
| Depth on NS 35/7,5 | 60 mm |

| | |
|---|---|
| Depth on NS 35/15 | 67.5 mm |
| Hole diameter | 4.4 mm |

## Material specifications

| | |
|---|---|
| Color | gray (RAL 7042) |
| Flammability rating according to UL 94 | V0 |
| Insulating material | PA |
| Contact material | CuZn38 |
| Static insulating material application in cold | -60 °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 |
| 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 |

## Connector

| | |
|---|---|
| Type of plug | Pin connector pattern type E |

## Environmental and real-life conditions

### Oscillation/broadband noise

| | |
|---|---|
| Specification | DIN EN 50155 (VDE 0115-200):2022-06 |
| 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 |

### Shocks

| | |
|---|---|
| Specification | DIN EN 50155 (VDE 0115-200):2022-06 |
| 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

| | |
|---|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -5 °C ... 40 °C (according to IEC 60884-1, average value over a period of 24 hours not above +35°C) |

| | |
|---|---|
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Permissible humidity (storage/transport) | 30 % ... 70 % |
| Resistance against air humidity | 95 % ... 48 h |

## Standards and regulations

Standards

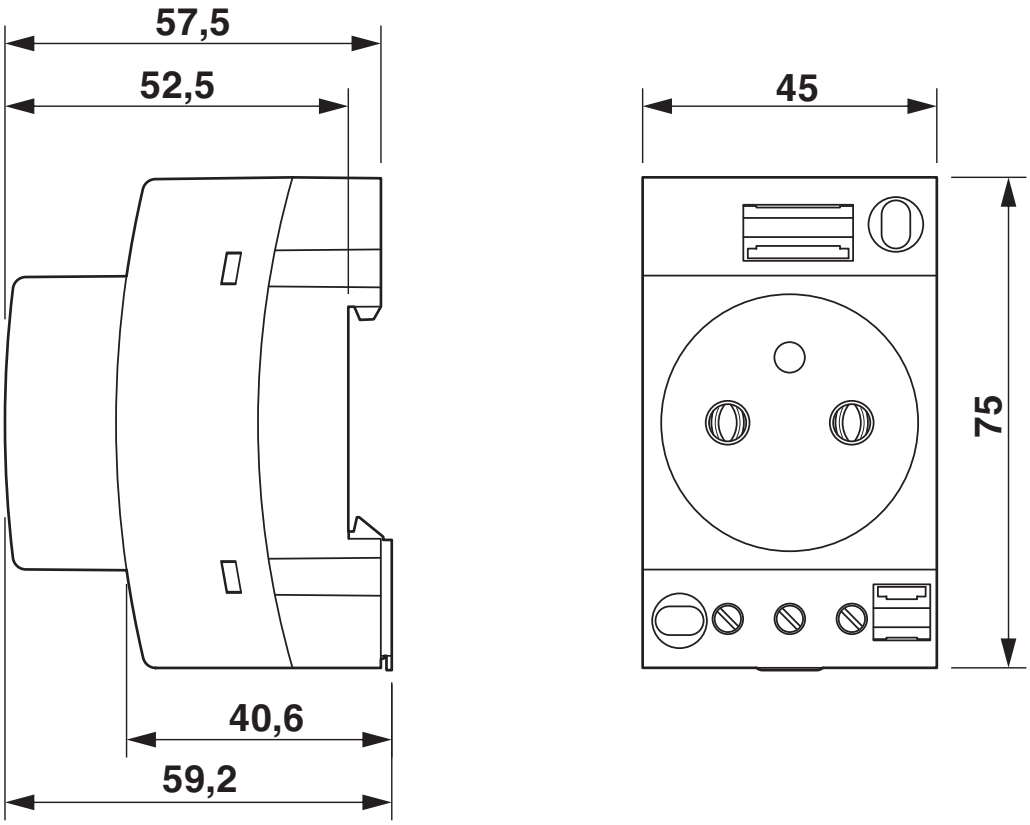
| | |
|---|---|
| Standards/regulations | NF C61-314 |
| | IEC 60884-1 |

## Mounting

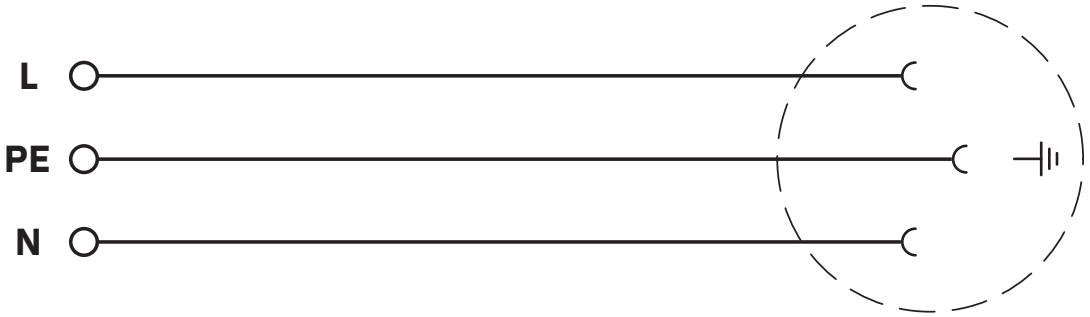
| | |
|---|---|
| Mounting type | for mounting on a DIN rail in the service interface or direct mounting |

## Drawings

Dimensional drawing




Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/0804016

**VDE Zeichengenehmigung**
Approval ID: 40048943

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 250 V | 16 A | - | - |

**EAC-RoHS**
Approval ID: RU D-DE.HB49.B.00025

**EAC**
Approval ID: KZ7500651131219505

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27142305 |
| ECLASS-15.0 | 27142305 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC001663 |

### UNSPSC

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

## 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% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.5 kg CO2e |

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