# EO-AB/PT/LED/S/15 - Socket

0804174

https://www.phoenixcontact.com/us/products/0804174

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 LED display, switch, Pin connector pattern type AB 15A, connection method: Push-in spring connection, color: gray, nom. voltage: 125 V AC (60 Hz), nominal current: 15 A, DIN rail or direct mounting, standards/specifications: UL 508, IEC 60884-1, Country marking: USA, Canada

## Commercial data

| | |
|---|---|
| Item number | 0804174 |
| Packing unit | 5 pc |
| Minimum order quantity | 5 pc |
| Sales key | BE76 |
| Product key | BE7623 |
| GTIN | 4055626226958 |
| Weight per piece (including packing) | 93.22 g |
| Weight per piece (excluding packing) | 93 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 | USA |
| | Canada |

## Electrical properties

| | |
|---|---|
| Maximum power dissipation for nominal condition | 1.8 W |

## Connection data

| | |
|---|---|
| Connection method | Push-in spring connection |
| Note | The electrical outlets with Push-in connection are not designed for through-wiring. Connect a maximum of one conductor to each terminal point. Multiple assignment of one terminal point is not permitted. |
| Stripping length | 10 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) | 0.25 mm² ... 2.5 mm² |
| Nominal current | 15 A |
| Nominal voltage | 125 V AC (60 Hz) |

Connection cross sections directly pluggable

| | |
|---|---|
| Conductor cross-section rigid | 0.5 mm² ... 4 mm² |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 1 mm² ... 2.5 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 1 mm² ... 2.5 mm² |

## Signaling

| | |
|---|---|
| Status display | yes |

## Dimensions

| | |
|---|---|
| Width | 45 mm |

| | |
|---|---|
| Height | 75 mm |
| Depth | 58.9 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 AB 15A |

## 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/s²)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

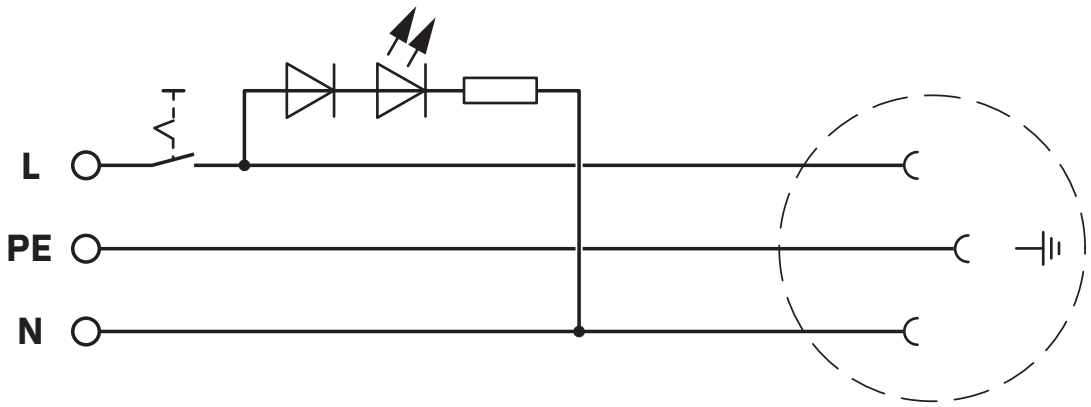
| | |
|---|---|
| Standards/regulations | UL 508 |
| | IEC 60884-1 |

## Mounting

| | |
|---|---|
| Mounting type | DIN rail or direct mounting |

## Drawings

Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/0804174

**UL Listed**
Approval ID: E238705

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 125 V | 15 A | - | - |

**cUL Listed**
Approval ID: E238705

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

**EAC**
Approval ID: KZ7500651131219505

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(a), 7(c)-I |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 80e5fe3e-f900-4023-9a63-5546d9a49f3c |


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