

LPS-6 - Service connector



3270541

<https://www.phoenixcontact.com/us/products/3270541>

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Service connector, nom. voltage: 800 V, nominal current: 24 A, number of positions: 1, connection method: Push-in connection, Rated cross section: 2.5 mm², cross section: 0.14 mm²-4 mm², color: red

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3270541 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | BE29 |
| Product key | BE2Z3X |
| GTIN | 4055626229089 |
| Weight per piece (including packing) | 4.35 g |
| Weight per piece (excluding packing) | 4.905 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

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Technical data

Product properties

| | |
|---------------------|--------------------------|
| Product type | Test plug terminal block |
| Number of positions | 1 |

Connection data

| | |
|---|--|
| Connection method | Push-in connection |
| Stripping length | 8 mm ... 10 mm |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.14 mm ² ... 4 mm ² |
| Cross section AWG | 26 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.14 mm ² ... 4 mm ² |
| Conductor cross-section, flexible [AWG] | 26 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm ² ... 2.5 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.14 mm ² ... 2.5 mm ² |
| Nominal current | 24 A |
| Nominal voltage | 800 V |
| Nominal cross section | 2.5 mm ² |

Connection cross sections directly pluggable

| | |
|---|---|
| Conductor cross-section rigid | 0.5 mm ² ... 4 mm ² |
| Conductor cross-section, rigid [AWG] | 20 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.5 mm ² ... 2.5 mm ² |
| Conductor cross-section, flexible [AWG] | 14 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm ² ... 2.5 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.5 mm ² ... 2.5 mm ² |

Dimensions

| | |
|--------|---------|
| Width | 6.2 mm |
| Height | 18.5 mm |
| Depth | 53.4 mm |

Material specifications

| | |
|--|----------------|
| Color | red (RAL 3001) |
| Material | PA |
| Flammability rating according to UL 94 | V0 |
| Static insulating material application in cold | -60 °C |
| Relative insulation material temperature index (Elec., UL 746 B) | 125 °C |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -60 °C (max. operating temperature see derating curve) |
|---------------------------------|--|

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| | |
|--|---|
| 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 |
|----------------------------------|---------------|

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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3270541>

DNV

Approval ID: TAE00004TX

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250304 |
| ECLASS-15.0 | 27250304 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002555 |
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UNSPSC

| | |
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| UNSPSC 21.0 | 20122000 |
|-------------|----------|

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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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