

# LPS-5/E - Service connector



3270520

<https://www.phoenixcontact.com/us/products/3270520>

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.



Service connector, nom. voltage: 800 V, nominal current: 24 A, number of positions: 1, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup>-4 mm<sup>2</sup>, color: red

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3270520       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE29          |
| Product key                          | BE2Z3X        |
| GTIN                                 | 4055626138022 |
| Weight per piece (including packing) | 3.793 g       |
| Weight per piece (excluding packing) | 3.793 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | PL            |

# LPS-5/E - Service connector



3270520

<https://www.phoenixcontact.com/us/products/3270520>

## 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 <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Cross section AWG   | 26 ... 12 (converted acc. to IEC)            |
| Conductor cross-section flexible                                  | 0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Conductor cross-section, flexible [AWG]                           | 26 ... 12 (converted acc. to IEC)            |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Flexible conductor cross-section (ferrule with plastic sleeve)    | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Nominal cross section   | 2.5 mm <sup>2</sup>                          |
| Nominal current   | 24 A   |
| Nominal voltage   | 800 V  |

### Connection cross sections directly pluggable

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

### Dimensions

|        |         |
|--------|---------|
| Width  | 5.2 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)                    |
| 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   |

# LPS-5/E - Service connector



3270520

<https://www.phoenixcontact.com/us/products/3270520>

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

# LPS-5/E - Service connector



3270520

<https://www.phoenixcontact.com/us/products/3270520>

## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3270520>

**DNV**

Approval ID: TAE00004TX

# LPS-5/E - Service connector



3270520

<https://www.phoenixcontact.com/us/products/3270520>

## Classifications

### ECLASS

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

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002555 |
|-----------|----------|

### UNSPSC

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

# LPS-5/E - Service connector



3270520

<https://www.phoenixcontact.com/us/products/3270520>

## 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](mailto:info@phoenixcon.com)