

# LPS-6 - Service connector

3270541

<https://www.phoenixcontact.com/gb/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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup>-4 mm<sup>2</sup>, color: red

## Commercial data

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

## Technical data

### Product properties

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

### Connection data

|                                                                   |                                              |
|-------------------------------------------------------------------|----------------------------------------------|
| 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 current                                                   | 24 A                                         |
| Nominal voltage                                                   | 800 V                                        |
| Nominal cross section                                             | 2.5 mm <sup>2</sup>                          |

### 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 ... 12 (converted acc. to IEC)           |
| Conductor cross section flexible                                  | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section, flexible [AWG]                           | 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  | 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)                    |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |

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

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### DNV

Approval ID: TAE00004TX

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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