

# CP-H 2,5-4L-Z - Connector housing



3012314

<https://www.phoenixcontact.com/us/products/3012314>

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Connector housing, with securing pins, connection method: Crimp connection, depth: 31.7 mm, width: 5.2 mm, height: 31.6 mm, number of positions: 4, color: gray

## Your advantages

- Can be labeled at each terminal point
- Four feed-through levels
- Design width of just 5.2 mm

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3012314       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE02          |
| Product key                          | BE2144        |
| GTIN                                 | 4046356645928 |
| Weight per piece (including packing) | 2.003 g       |
| Weight per piece (excluding packing) | 1.956 g       |
| Customs tariff number                | 85389099      |
| Country of origin                    | PL            |

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## Technical data

### Product properties

|                     |      |
|---------------------|------|
| Product type        | Plug |
| Number of positions | 4    |

### Connection data

|                   |                  |
|-------------------|------------------|
| Connection method | Crimp connection |
|-------------------|------------------|

### Dimensions

|        |         |
|--------|---------|
| Width  | 5.2 mm  |
| Height | 31.6 mm |
| Depth  | 31.7 mm |

### Material specifications

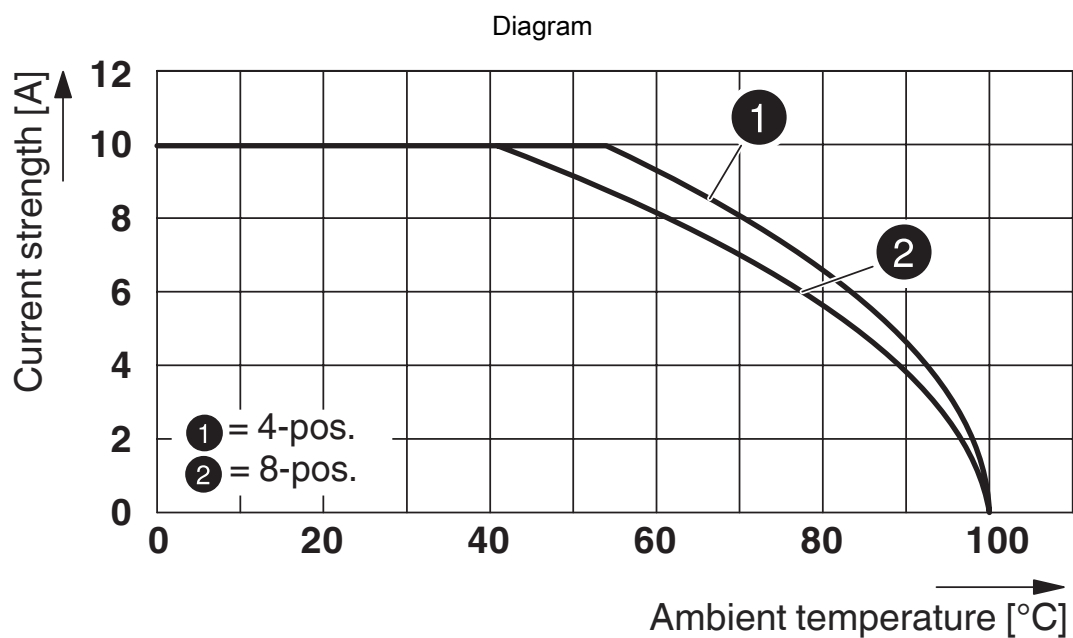
|                                                                         |                 |
|-------------------------------------------------------------------------|-----------------|
| Color                                                                   | gray (RAL 7042) |
| Flammability rating according to UL 94                                  | V0              |
| Insulating material                                                     | PA              |
| Static insulating material application in cold                          | -60 °C          |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °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     |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg        |
| 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          |

### 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                                                           |
| Ambient temperature (actuation)          | -5 °C ... 70 °C                                                           |
| Permissible humidity (storage/transport) | 30 % ... 70 %                                                             |

## Drawings



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3012314>

|       |                                                                                                                                                           |                                |                   |                               |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------|-------------------------------|
| keine |  <b>VDE Gutachten mit Fertigungsüberwachung</b><br>Approval ID: 40042533 |                                |                   |                               |
|       | Nominal voltage U <sub>N</sub>                                                                                                                            | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
|       | 250 V                                                                                                                                                     | 10 A                           | -                 | 0.5 - 2.5                     |

|                                                                                                                                 |  |
|---------------------------------------------------------------------------------------------------------------------------------|--|
|  <b>EAC</b><br>Approval ID: KZ7500651131219505 |  |
|---------------------------------------------------------------------------------------------------------------------------------|--|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440202 |
| ECLASS-15.0 | 27440202 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000437 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31261500 |
|-------------|----------|

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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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