

# UP 4-4CT - Plug

3208720

<https://www.phoenixcontact.com/pc/products/3208720>



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Plug for four current transformers, each with leading transformer short circuit



## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 3208720                        |
| Packing unit                         | 10 pc                          |
| Minimum order quantity               | 10 pc                          |
| Note                                 | Made to order (non-returnable) |
| Product key                          | BE643X                         |
| Catalog page                         | Page 334 (C-1-2019)            |
| GTIN                                 | 4046356663342                  |
| Weight per piece (including packing) | 84.11 g                        |
| Weight per piece (excluding packing) | 84.11 g                        |
| Customs tariff number                | 85366990                       |
| Country of origin                    | PL                             |

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## Technical data

### Product properties

|                       |      |
|-----------------------|------|
| Product type          | Plug |
| Number of positions   | 8    |
| Number of connections | 6    |
| Number of rows        | 1    |
| Potentials            | 8    |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 05 |
|------------------|----|

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Electrical properties

|                                                 |        |
|-------------------------------------------------|--------|
| Rated surge voltage                             | 4 kV   |
| Maximum power dissipation for nominal condition | 1.31 W |

### Connection data

|                         |                   |
|-------------------------|-------------------|
| Nominal cross section   | 6 mm <sup>2</sup> |
| Rated cross section AWG | 10                |

### Level 1

|                                                                                                                   |                                              |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Screw thread                                                                                                      | M3                                           |
| Tightening torque                                                                                                 | 0.6 ... 0.8 Nm                               |
| Stripping length                                                                                                  | 8 mm ... 9 mm                                |
| Internal cylindrical gage                                                                                         | A4                                           |
| Connection in acc. with standard                                                                                  | IEC 61984                                    |
| Conductor cross section rigid                                                                                     | 0.14 mm <sup>2</sup> ... 6 mm <sup>2</sup>   |
| Cross section AWG                                                                                                 | 26 ... 10 (converted acc. to IEC)            |
| Conductor cross section flexible                                                                                  | 0.14 mm <sup>2</sup> ... 6 mm <sup>2</sup>   |
| Conductor cross section, flexible [AWG]                                                                           | 26 ... 10 (converted acc. to IEC)            |
| Conductor cross-section flexible (ferrule without plastic sleeve)                                                 | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Flexible conductor cross section (ferrule with plastic sleeve)                                                    | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid                                                                       | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| 2 conductors with the same cross-section AWG rigid                                                                | 26 ... 16 (converted acc. to IEC)            |
| 2 conductors with same cross section, flexible                                                                    | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| 2 conductors with the same cross-section AWG flexible                                                             | 26 ... 16 (converted acc. to IEC)            |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve                               | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Nominal current                                                                                                   | 15 A                                         |

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|                      |       |
|----------------------|-------|
| Maximum load current | 15 A  |
| Nominal voltage      | 320 V |

## Dimensions

|        |         |
|--------|---------|
| Width  | 74.4 mm |
| Height | 45.4 mm |
| Depth  | 34.3 mm |

## Material specifications

|                                                                         |                 |
|-------------------------------------------------------------------------|-----------------|
| Color                                                                   | gray (RAL 7042) |
| Flammability rating according to UL 94                                  | V0              |
| Insulating material group                                               | I               |
| 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          |

## Mechanical properties

### Mechanical data

|                 |    |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

## Environmental and real-life conditions

### Ambient conditions

|                                          |                                                                           |
|------------------------------------------|---------------------------------------------------------------------------|
| Ambient temperature (operation)          | -60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)       |
| 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 61984 |
|----------------------------------|-----------|

## Mounting

|               |                         |
|---------------|-------------------------|
| Mounting type | Insertion in base strip |
|---------------|-------------------------|

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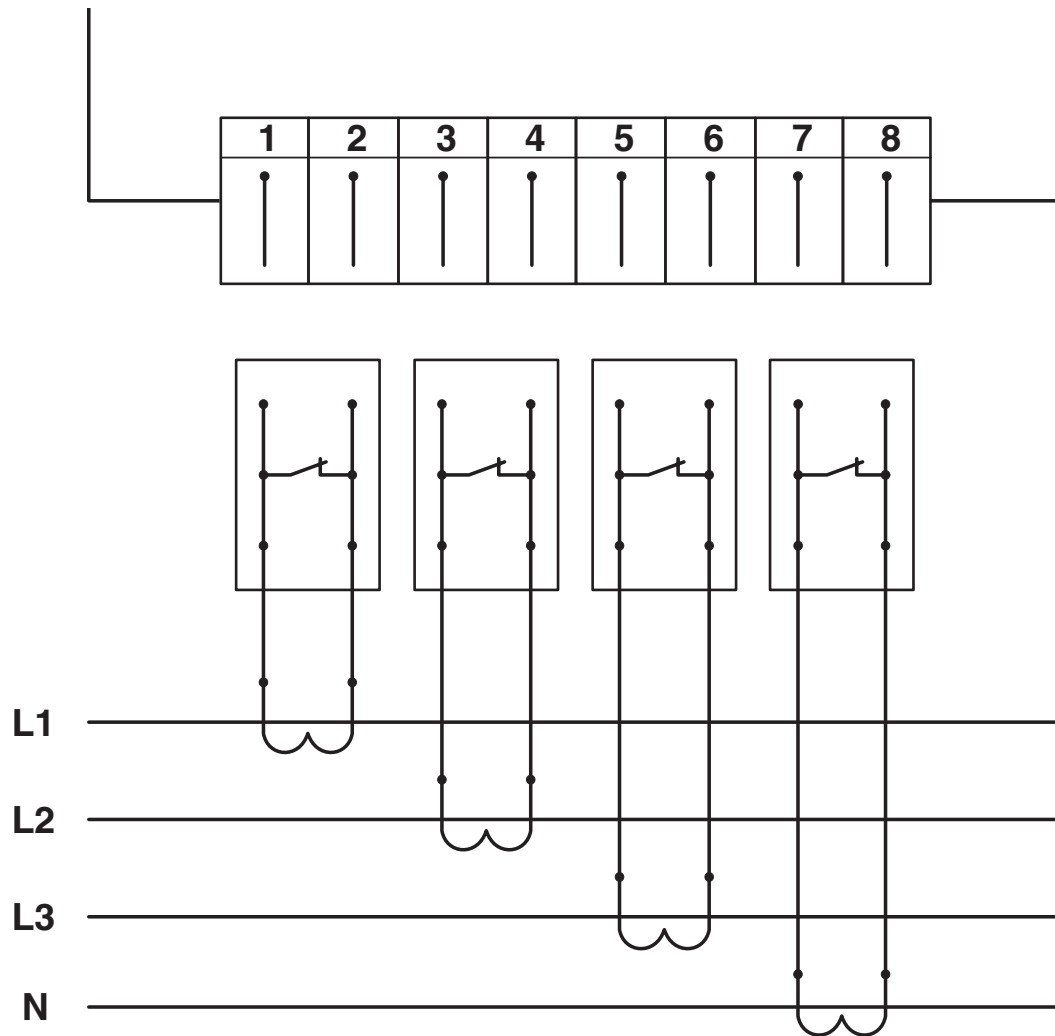
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## Drawings

Circuit diagram



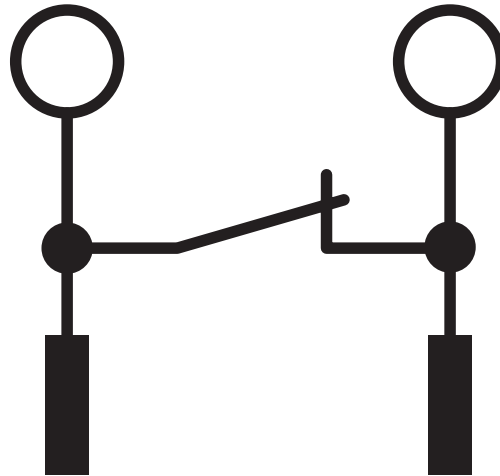
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Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/3208720>



**EAC**

Approval ID: RU C-DE.BL08.B.00511



**CSA**

Approval ID: 13631

|             | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|-------------|-----------------------|-----------------------|-------------------|-----------------------------|
| Use group D |                       |                       |                   |                             |
|             | 300 V                 | 10 A                  | 26 - 10           | -                           |



**cULus Recognized**

Approval ID: E60425

|             | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|-------------|-----------------------|-----------------------|-------------------|-----------------------------|
| Use group F |                       |                       |                   |                             |
|             | 320 V                 | 15 A                  | 26 - 10           | -                           |
| Use group D |                       |                       |                   |                             |
|             | 300 V                 | 10 A                  | 26 - 10           | -                           |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27141120 |
| ECLASS-13.0 | 27250304 |

### ETIM

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

### UNSPSC

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

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## Environmental product compliance

### EU RoHS

|                                         |      |
|-----------------------------------------|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### 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                                | 72392226-381e-45f3-8f7e-b898aac97e6e |

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