

# UP 4/ 5 - Plug

3060157

<https://www.phoenixcontact.com/us/products/3060157>



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Plug, nom. voltage: 800 V, nominal current: 32 A, number of positions: 5, connection method: Screw connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup>- 6 mm<sup>2</sup>, color: gray

## Your advantages

- Screw actuation from the side
- Conductor connection from above
- The plug design enables space-saving potential distribution by using four-conductor terminal blocks with two slots

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3060157       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE01          |
| Product key                          | BE1144        |
| GTIN                                 | 4046356090322 |
| Weight per piece (including packing) | 24.444 g      |
| Weight per piece (excluding packing) | 24.44 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | TR            |

## Technical data

### Notes

|                    |                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes on operation | COMBI connectors are connectors without switching power in accordance with IEC 61984 and can be connected or disconnected without load or voltage when used as intended |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Product properties

|                     |               |
|---------------------|---------------|
| Product type        | Terminal plug |
| Number of positions | 5             |
| Pitch               | 6.2 mm        |
| Potentials          | 1             |

#### Insulation characteristics

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

### Electrical properties

|                     |      |
|---------------------|------|
| Rated surge voltage | 8 kV |
|---------------------|------|

### Connection data

|                                                                                                                   |                                                       |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Nominal cross section                                                                                             | 4 mm <sup>2</sup>                                     |
| Connection method                                                                                                 | Screw connection                                      |
| Screw thread                                                                                                      | M3                                                    |
| Tightening torque                                                                                                 | 0.6 ... 0.8 Nm                                        |
| Stripping length                                                                                                  | 9 mm                                                  |
|                                                                                                                   | 9 mm                                                  |
| Internal cylindrical gage                                                                                         | A4                                                    |
| Connection in acc. with standard                                                                                  | IEC 61984                                             |
| Conductor cross-section rigid                                                                                     | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>             |
| Cross section AWG                                                                                                 | 24 ... 10 (converted acc. to IEC)                     |
| Conductor cross-section flexible                                                                                  | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>             |
| Conductor cross-section, flexible [AWG]                                                                           | 24 ... 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> ... 1.5 mm <sup>2</sup>           |
| 2 conductors with same cross section, solid                                                                       | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>           |
| 2 conductors with same cross section, flexible                                                                    | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>           |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve                               | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>          |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve                         | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>           |
| Nominal current                                                                                                   | 32 A                                                  |
| Maximum load current                                                                                              | 32 A (with 6 mm <sup>2</sup> conductor cross-section) |

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|                       |                   |
|-----------------------|-------------------|
| Nominal voltage       | 800 V             |
| Nominal cross section | 4 mm <sup>2</sup> |

## Dimensions

|        |         |
|--------|---------|
| Width  | 31 mm   |
| Height | 21 mm   |
| Depth  | 41.2 mm |
| Length | 21 mm   |
| Pitch  | 6.2 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          |
| 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     |
| 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

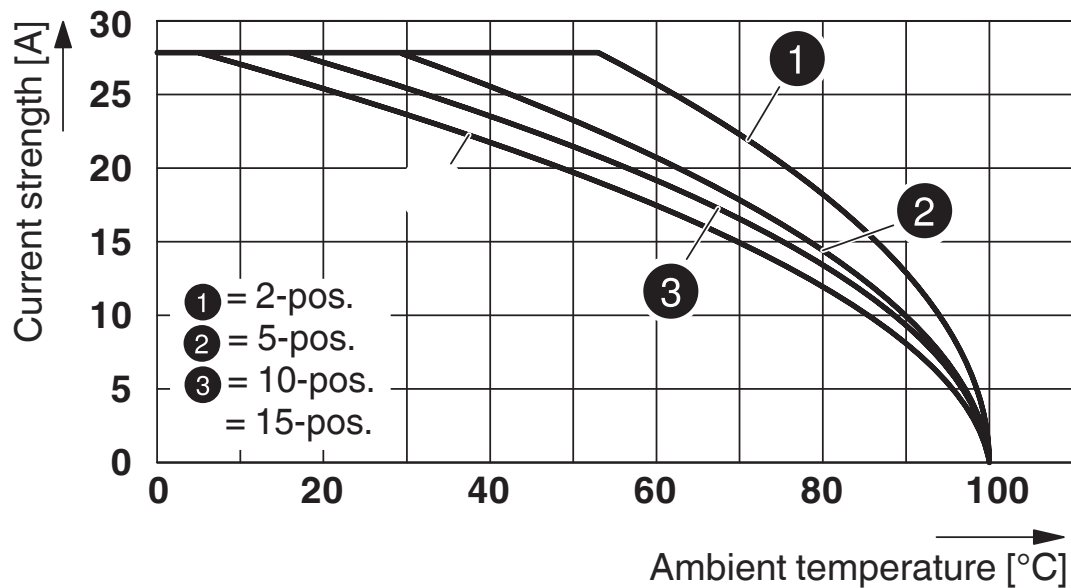
|                                          |                                                                           |
|------------------------------------------|---------------------------------------------------------------------------|
| Ambient temperature (operation)          | -60 °C (max. operating 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 (operation)         | 20 % ... 90 %                                                             |
| Permissible humidity (storage/transport) | 30 % ... 70 %                                                             |

## Standards and regulations

|                                  |           |
|----------------------------------|-----------|
| Connection in acc. with standard | IEC 61984 |
|----------------------------------|-----------|

## Drawings

Diagram



Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3060157>



**CSA**

Approval ID: 13631



**IECEE CB Scheme**

Approval ID: NL-34722\_A1

|       | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine |                       |                       |                   |                             |
|       | 800 V                 | 32 A                  | -                 | -                           |



**cULus Recognized**

Approval ID: E60425

|                            | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|----------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| B                          |                       |                       |                   |                             |
|                            | 600 V                 | 30 A                  | 26 - 10           | -                           |
| Multi-conductor connection | 600 V                 | 30 A                  | 26 - 14           | -                           |
| C                          |                       |                       |                   |                             |
|                            | 600 V                 | 30 A                  | 26 - 10           | -                           |
| Multi-conductor connection | 600 V                 | 30 A                  | 26 - 14           | -                           |



**KEMA-KEUR**

Approval ID: 71-114072 REV.1

|       | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine |                       |                       |                   |                             |
|       | 800 V                 | 32 A                  | -                 | -                           |



**CSA**

Approval ID: 13631



**EAC**

Approval ID: KZ7500651131219505

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250306 |
| ECLASS-15.0 | 27250306 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002021 |
|----------|----------|

### UNSPSC

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

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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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