

# PP-H 1,5/S/3 (1GY/1BU/1GNYE) - Plug



3062113

<https://www.phoenixcontact.com/us/products/3062113>

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Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 3, number of positions: 3, connection method: Push-in connection, Rated cross section: 1.5 mm<sup>2</sup>, 1 level, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, color: gray/blue/green-yellow

## Your advantages

- Large-surface labeling option
- The Push-in technology COMBI plugs for self-assembly provide solutions that users can implement themselves

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3062113       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE22          |
| Product key                          | BE2244        |
| GTIN                                 | 4046356671200 |
| Weight per piece (including packing) | 5.294 g       |
| Weight per piece (excluding packing) | 5.141 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | PL            |

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## 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   | 3             |
| Pitch                 | 3.5 mm        |
| Number of connections | 3             |
| Number of rows        | 1             |
| Potentials            | 3             |

### Insulation characteristics

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

### Electrical properties

|                                                 |        |
|-------------------------------------------------|--------|
| Rated surge voltage                             | 6 kV   |
| Maximum power dissipation for nominal condition | 0.56 W |

### Connection data

|                                 |                     |
|---------------------------------|---------------------|
| Number of connections per level | 3                   |
| Nominal cross section           | 1.5 mm <sup>2</sup> |

#### 1 level

|                                                                   |                                                           |
|-------------------------------------------------------------------|-----------------------------------------------------------|
| Connection method                                                 | Push-in connection                                        |
| Stripping length                                                  | 8 mm                                                      |
| Internal cylindrical gage                                         | A1 / B1                                                   |
| Connection in acc. with standard                                  | IEC 61984                                                 |
| Conductor cross-section rigid                                     | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>              |
| Cross section AWG                                                 | 26 ... 16 (converted acc. to IEC)                         |
| Conductor cross-section flexible                                  | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>              |
| Conductor cross-section, flexible [AWG]                           | 26 ... 16 (converted acc. to IEC)                         |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>              |
| Flexible conductor cross-section (ferrule with plastic sleeve)    | 0.14 mm <sup>2</sup> ... 1 mm <sup>2</sup>                |
| Nominal current                                                   | 17.5 A (observe derating)                                 |
| Maximum load current                                              | 17.5 A (with 1.5 mm <sup>2</sup> conductor cross-section) |
| Nominal voltage                                                   | 500 V                                                     |
| Nominal cross section                                             | 1.5 mm <sup>2</sup>                                       |

#### 1 level Connection cross sections directly pluggable

|                               |                                              |
|-------------------------------|----------------------------------------------|
| Conductor cross-section rigid | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
|-------------------------------|----------------------------------------------|

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|                                                                   |                      |
|-------------------------------------------------------------------|----------------------|
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.34 mm² ... 1.5 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve)    | 0.34 mm² ... 1 mm²   |

## Dimensions

|        |         |
|--------|---------|
| Width  | 10.5 mm |
| Height | 16.5 mm |
| Depth  | 31.3 mm |
| Pitch  | 3.5 mm  |

## Material specifications

|                                                                         |                      |
|-------------------------------------------------------------------------|----------------------|
| Color                                                                   | multicolored (RAL -) |
|                                                                         | gray (RAL 7042)      |
|                                                                         | blue (RAL 5015)      |
|                                                                         | green-yellow         |
| 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 | Yes |
|-----------------|-----|

## 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 %                                                             |

# PP-H 1,5/S/3 (1GY/1BU/1GNYE) - Plug



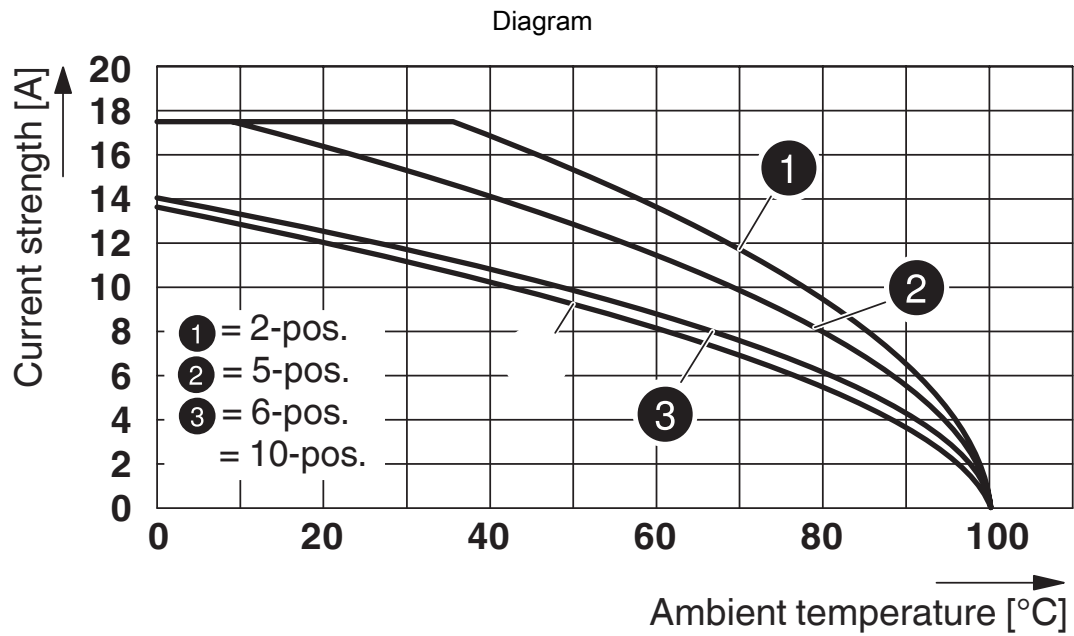
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## Standards and regulations

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

## Drawings



# PP-H 1,5/S/3 (1GY/1BU/1GNYE) - Plug



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3062113>

| CB<br>scheme | IECEE CB Scheme                |                                |                   |                               |
|--------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|              | Approval ID: DE1-65179         |                                |                   |                               |
|              | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine        |                                |                                |                   |                               |
|              | 500 V                          | -                              | -                 | 0.14 - 1.5                    |

| UL<br>Recognized | LR                       |  |  |  |
|------------------|--------------------------|--|--|--|
|                  | Approval ID: LR2371832TA |  |  |  |

| BV | BV                       |  |  |  |
|----|--------------------------|--|--|--|
|    | Approval ID: 39979/B0 BV |  |  |  |

| VDE   | VDE Gutachten mit Fertigungsüberwachung |                                |                   |                               |
|-------|-----------------------------------------|--------------------------------|-------------------|-------------------------------|
|       | Approval ID: 40034766                   |                                |                   |                               |
|       | Nominal voltage U <sub>N</sub>          | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine |                                         |                                |                   |                               |
|       | 500 V                                   | -                              | -                 | -                             |

| EAC | 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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