

## Plug - PP-H 6/ 7 - 3061622

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Plug, Connection method: Push-in connection, Number of positions: 7, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 57.4 mm, Height: 49.3 mm, Color: gray

### Product Features

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



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 25 pc    |
| Weight per Piece (excluding packing) | 52.0 g   |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Poland   |

### Technical data

#### General

|                                        |                   |
|----------------------------------------|-------------------|
| Number of levels                       | 1                 |
| Number of connections                  | 7                 |
| Nominal cross section                  | 6 mm <sup>2</sup> |
| Color                                  | gray              |
| Insulating material                    | PA                |
| Flammability rating according to UL 94 | V0                |
| Area of application                    | Railway industry  |
|                                        | Machine building  |
|                                        | Plant engineering |
| Maximum load current                   | 41 A (6)          |

# Plug - PP-H 6/ 7 - 3061622

## Technical data

### General

|                                |                                                       |
|--------------------------------|-------------------------------------------------------|
| Rated surge voltage            | 8 kV                                                  |
| Degree of pollution            | 3                                                     |
| Overvoltage category           | III                                                   |
| Insulating material group      | I                                                     |
| Maximum load current           | 41 A (with 6 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub> | 41 A                                                  |
| Nominal voltage U <sub>N</sub> | 1000 V                                                |
| Open side panel                | No                                                    |

### Dimensions

|        |          |
|--------|----------|
| Width  | 57.4 mm  |
| Length | 21 mm    |
| Height | 49.3 mm  |
|        | 31.20 mm |
| Pitch  | 8.20 mm  |

### Connection data

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Connection method                                                                       | Push-in connection  |
| Connection in acc. with standard                                                        | IEC 61984           |
| Conductor cross section solid min.                                                      | 0.5 mm <sup>2</sup> |
| Conductor cross section solid max.                                                      | 10 mm <sup>2</sup>  |
| Conductor cross section AWG min.                                                        | 20                  |
| Conductor cross section AWG max.                                                        | 8                   |
| Conductor cross section flexible min.                                                   | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible max.                                                   | 6 mm <sup>2</sup>   |
| Min. AWG conductor cross section, flexible                                              | 20                  |
| Max. AWG conductor cross section, flexible                                              | 10                  |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 6 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 6 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm <sup>2</sup> |
| Stripping length                                                                        | 12 mm               |
| Internal cylindrical gage                                                               | A5                  |

### Standards and Regulations

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### Technical data

#### Standards and Regulations

|                                        |           |
|----------------------------------------|-----------|
| Connection in acc. with standard       | CSA       |
|                                        | IEC 61984 |
| Flammability rating according to UL 94 | V0        |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27141151 |
| eCl@ss 7.0 | 27141151 |
| eCl@ss 8.0 | 27141151 |
| eCl@ss 9.0 | 27141151 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC002021 |
| ETIM 5.0 | EC002021 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211802 |
| UNSPSC 7.0901 | 39121402 |
| UNSPSC 11     | 39121402 |
| UNSPSC 12.01  | 39121402 |
| UNSPSC 13.2   | 39121402 |

### Approvals

#### Approvals

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##### Approvals

UL Recognized / cUL Recognized / CSA / EAC / VDE report with production monitoring / IECCEB Scheme / cULus Recognized

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##### Ex Approvals

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## Plug - PP-H 6/ 7 - 3061622

### Approvals

Approvals submitted

#### Approval details

|                                                                                                 |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                 | B     | C     |
| mm <sup>2</sup> /AWG/kcmil                                                                      | 20-8  | 20-8  |
| Nominal current I <sub>N</sub>                                                                  | 40 A  | 40 A  |
| Nominal voltage U <sub>N</sub>                                                                  | 600 V | 600 V |

|                                                                                                  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
| cUL Recognized  |       |       |
|                                                                                                  | B     | C     |
| mm <sup>2</sup> /AWG/kcmil                                                                       | 20-8  | 20-8  |
| Nominal current I <sub>N</sub>                                                                   | 40 A  | 40 A  |
| Nominal voltage U <sub>N</sub>                                                                   | 600 V | 600 V |

|                                                                                         |       |       |       |
|-----------------------------------------------------------------------------------------|-------|-------|-------|
| CSA  |       |       |       |
|                                                                                         | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                              | 20-8  | 20-8  | 20-8  |
| Nominal current I <sub>N</sub>                                                          | 40 A  | 40 A  | 40 A  |
| Nominal voltage U <sub>N</sub>                                                          | 600 V | 600 V | 600 V |

|     |
|-----|
| EAC |
|-----|

|                                       |        |
|---------------------------------------|--------|
| VDE report with production monitoring |        |
|                                       |        |
| Nominal voltage U <sub>N</sub>        | 1000 V |

|                                |        |
|--------------------------------|--------|
| IECEE CB Scheme                |        |
|                                |        |
| Nominal voltage U <sub>N</sub> | 1000 V |

## Plug - PP-H 6/ 7 - 3061622

### Approvals

cULus Recognized  US

### Accessories

#### Accessories

##### Cable housing

Cable housing - PH 6/2 - 3000680



Cable housing, Pitch: 16.4 mm, Length: 21 mm, Width: 16.4 mm, Height: 52.3 mm, Number of positions: 2, Color: gray

Cable housing - PH 6/3 - 3000681



Cable housing, Pitch: 24.6 mm, Length: 21 mm, Width: 24.6 mm, Height: 52.3 mm, Number of positions: 3, Color: gray

Cable housing - PH 6/4 - 3000682



Cable housing, Pitch: 32.8 mm, Length: 21 mm, Width: 32.8 mm, Height: 52.3 mm, Number of positions: 4, Color: gray

Cable housing - PH 6/5 - 3000683



Cable housing, Pitch: 41 mm, Length: 21 mm, Width: 41 mm, Height: 52.3 mm, Number of positions: 5, Color: gray

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### Accessories

Cable housing - PH 6/6 - 3000684



Cable housing, Pitch: 49.2 mm, Length: 21 mm, Width: 49.2 mm, Height: 52.3 mm, Number of positions: 6, Color: gray

Cable housing - PH 6/7 - 3000685



Cable housing, Pitch: 57.4 mm, Length: 21 mm, Width: 57.4 mm, Height: 52.3 mm, Number of positions: 7, Color: gray

### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

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### Accessories

Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

### Labeled terminal marker

Zack Marker strip, flat - ZBF 8 CUS - 0825030



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 8 mm, Lettering field: 5.15 x 8.15 mm

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### Accessories

Zack Marker strip, flat - ZBF 8,LGS:FORTL.ZAHLEN - 0808804



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 101 - 110, Mounting type: Snap into flat marker groove, for terminal block width: 8 mm, Lettering field: 5.15 x 8.15 mm

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Marker for terminal blocks - UC-TMF 8 CUS - 0824654



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 5.1 mm

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Marker for terminal blocks - UCT-TMF 8 CUS - 0829672



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 8.2 mm, Lettering field: 7.4 x 4.7 mm

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### Mounting material

Latching - PRZ - 3040614



Latching, Length: 3 mm, Width: 5.2 mm, Number of positions: 2, Color: orange

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Latching - PR - 3040559



Latching, Number of positions: 1, Color: orange



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### Accessories

Latching - PR/2 - 3040630



Latching, Number of positions: 2, Color: orange

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Latching - PRT/2 - 3040631



Latching, can only be released using a screwdriver, Number of positions: 2, Color: orange

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Bend protection sleeve - CPH 9-15 - 3000768



Bend protection sleeve, for cable diameter of 9 mm ... 15 mm, Diameter: 12 mm, Color: black

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### Screwdriver tools

Screwdriver - SZF 2-0,8X4,0 - 1204520



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

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### Shield connection

Shield connection clip - PSH 3- 6 - 3040591



Shield connection clip, Color: black

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### Accessories

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Shield connection clip - PSH 5-10 - 3040601



Shield connection clip, Color: black

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Shield connection - HSH-METALL-6/8 - 3000770



Shield connection

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Strain relief

Strain relief - PZ/2 - 3040627



Strain relief, Number of positions: 2, Color: black

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Cable clamp - HSR 6/8 - 3000769



Cable clamp

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Terminal marking

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### Accessories

Zack Marker strip, flat - ZBF 8:UNBEDRUCKT - 0808781



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 8 mm, Lettering field: 5.15 x 8.15 mm

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Marker for terminal blocks - UC-TMF 8 - 0818137



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 5.1 mm

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Marker for terminal blocks - UCT-TMF 8 - 0828748



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into flat marker groove, for terminal block width: 8.2 mm, Lettering field: 7.4 x 4.7 mm

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Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

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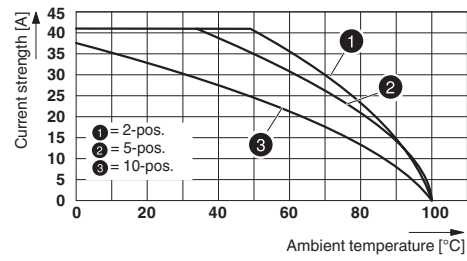
### Drawings

## Plug - PP-H 6/ 7 - 3061622

Circuit diagram



Diagram



# Mouser Electronics

Authorized Distributor

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