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# Plug - PP-H 6/ 1-L GNYE - 3061680

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Plug, for self-assembly, nom. voltage: 1000 V, nominal current: 41 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, width: 8.2 mm, height: 49.3 mm, color: green/yellow

## Your advantages

☑ Large-surface labeling option

☑ The Push-in technology COMBI plugs for self-assembly provide solutions that users can implement themselves

☑ Tested for railway applications

**RoHS**
COMPLETE line

## Key Commercial Data

| Packing unit | 1 pc |
|---|---|
| Minimum order quantity | 50 pc |
| GTIN | 4 046356 650373 |
| GTIN | 4046356650373 |
| Weight per Piece (excluding packing) | 7.600 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

## Technical data

### General

| Number of positions | 1 |
|---|---|
| Number of levels | 1 |
| Number of connections | 1 |
| Potentials | 1 |
| Nominal cross section | 6 mm² |
| Color | green/yellow |

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# Plug - PP-H 6/ 1-L GNYE - 3061680

## Technical data

### General

| Insulating material | PA |
|---|---|
| Flammability rating according to UL 94 | V0 |
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |
| Assembly instructions | Use of a parallel pressing tool is recommended for easy latching of the COMBI connector and coupling elements for self-assembly |
| Maximum load current | 41 A (6) |
| Rated surge voltage | 8 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum power dissipation for nominal condition | 1.31 W |
| Maximum load current | 41 A (with 6 mm² conductor cross section) |
| Nominal current $I_N$ | 41 A |
| Nominal voltage $U_N$ | 1000 V |
| Open side panel | No |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C |
| Static insulating material application in cold | -60 °C |
| Surface flammability NFPA 130 (ASTM E 162) | passed |
| Specific optical density of smoke NFPA 130 (ASTM E 662) | passed |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 27,5 MJ/kg |
| Smoke gas toxicity NFPA 130 (SMP 800C) | passed |
| 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 |

### Dimensions

| Width | 8.2 mm |
|---|---|
| Length | 21 mm |
| Height | 49.3 mm |
| | 31.2 mm |
| Pitch | 8.2 mm |

### Connection data

| Connection | 1 level |
|---|---|
| Connection method | Push-in connection |

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## Technical data

### Connection data

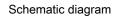| | |
|---|---|
| Stripping length | 12 mm |
| Connection in acc. with standard | IEC 61984 |
| Conductor cross section solid min. | 0.5 mm² |
| Conductor cross section solid max. | 10 mm² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 8 |
| Conductor cross section flexible min. | 0.5 mm² |
| Conductor cross section flexible max. | 6 mm² |
| 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 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 6 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 6 mm² |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum | 0.5 mm² |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 1.5 mm² |
| Connection cross sections directly pluggable | 1 mm² 10 mm² |
| Conductor cross section solid min. | 1 mm² |
| Conductor cross section solid max. | 10 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 1 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 6 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 1 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 6 mm² |
| Internal cylindrical gage | A5 |

### Standards and Regulations

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

### Environmental Product Compliance

| | |
|---|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

## Drawings

# Plug - PP-H 6/ 1-L GNYE - 3061680

Schematic diagram

.../1-L

.../1-M

.../1-R

Circuit diagram

## Classifications

### eCl@ss

| eCl@ss 10.0.1 | 27141151 |
|---|---|

# Plug - PP-H 6/ 1-L GNYE - 3061680

## Classifications

### eCl@ss

| eCl@ss 4.0 | 27260700 |
|---|---|
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27141100 |
| 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 |
| ETIM 6.0 | EC002021 |
| ETIM 7.0 | EC002021 |

### UNSPSC

| UNSPSC 6.01 | 30211802 |
|---|---|
| UNSPSC 7.0901 | 39121402 |
| UNSPSC 11 | 39121402 |
| UNSPSC 12.01 | 39121402 |
| UNSPSC 13.2 | 39121402 |
| UNSPSC 18.0 | 39121402 |
| UNSPSC 19.0 | 39121402 |
| UNSPSC 20.0 | 39121402 |
| UNSPSC 21.0 | 39121402 |

## Approvals

### Approvals

Approvals

CSA / UL Recognized / cUL Recognized / IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

# Plug - PP-H 6/ 1-L GNYE - 3061680

## Approvals

| CSA | | http://www.csagroup.org/services-industries/product-listing/ | | 13631 |
|---|---|---|---|---|
| | B | C | D | |
| Nominal voltage UN | 600 V | 600 V | 600 V | |
| Nominal current IN | 40 A | 40 A | 40 A | |
| mm²/AWG/kcmil | 20-8 | 20-8 | 20-8 | |

| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
|---|---|---|---|
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 40 A | 40 A | |
| mm²/AWG/kcmil | 20-8 | 20-8 | |

| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
|---|---|---|---|
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 40 A | 40 A | |
| mm²/AWG/kcmil | 20-8 | 20-8 | |

| IECEE CB Scheme | | http://www.iecee.org/ | DE1-56601/B2 |
|---|---|---|---|
| | | | |
| Nominal voltage UN | 1000 V | | |

| VDE Gutachten mit Fertigungsüberwachung | | http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40043445 |
|---|---|---|---|
| | | | |
| Nominal voltage UN | 1000 V | | |

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# Plug - PP-H 6/ 1-L GNYE - 3061680

## Approvals

| | | |
|---|---|---|
| EAC | EAC | RU C-DE.A*30.B.01742 |

| | | |
|---|---|---|
| EAC | EAC | RU C-DE.BL08.B.00511 |

| | |
|---|---|
| cULus Recognized | c **RU** 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

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# Plug - PP-H 6/ 1-L GNYE - 3061680

## Accessories

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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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

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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

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## Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white

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Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red

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# Plug - PP-H 6/ 1-L GNYE - 3061680

## Accessories

Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue

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

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# Plug - PP-H 6/ 1-L GNYE - 3061680

## Accessories

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 size: 5.15 x 8.15 mm, Number of individual labels: 10

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 size: 5.15 x 8.15 mm, Number of individual labels: 10

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 size: 7.6 x 5.1 mm, Number of individual labels: 56

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 size: 7.4 x 4.7 mm, Number of individual labels: 42

## Mounting material

Latching - PRZ - 3040614

Latching, length: 63.6 mm, width: 9.7 mm, number of positions: 2, color: orange

# Plug - PP-H 6/ 1-L GNYE - 3061680

## Accessories

Latching - PR - 3040559

Latching, length: 29.8 mm, width: 4.4 mm, number of positions: 1, color: orange

Latching - PR/2 - 3040630

Latching, length: 29.8 mm, width: 10 mm, number of positions: 2, color: orange

Latching - PRT/2 - 3040631

Latching, can only be released using a screwdriver, length: 23.2 mm, width: 9 mm, number of positions: 2, color: orange

Bend protection sleeve - CPH 9-15 - 3000768

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

## 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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## Accessories

### Shield connection

Shield connection clamp - PSH 3- 6 - 3040591

Shield connection clamp, color: black

Shield connection clamp - PSH 5-10 - 3040601

Shield connection clamp, color: black

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

Shield connection, material: Metal, Suitable for PH 4/ and PH 6/ cable housings (pitches: 6 mm and 8 mm), color: silver/ black

### Strain relief

Strain relief - PZ/2 - 3040627

Strain relief, length: 48.7 mm, width: 9.3 mm, number of positions: 2, color: black

Cable clamp - HSR 6/8 - 3000769

Cable clamp, color: silver

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# Plug - PP-H 6/ 1-L GNYE - 3061680

## Accessories

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### Terminal marking

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

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

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Marker for terminal blocks - UC-TMF 8 - 0818137

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 5.1 mm, Number of individual labels: 56

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Marker for terminal blocks - UCT-TMF 8 - 0828748

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 8.2 mm, lettering field size: 7.4 x 4.7 mm, Number of individual labels: 42

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### Test plug terminal block

Test plugs - MPS-MT - 0201744

Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray

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