

## Plug - UP 6/ 1-M GNYE - 3060788

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Plug, number of positions: 1, connection method: Screw connection, cross section: 0.2 mm<sup>2</sup>- 6 mm<sup>2</sup>, AWG: 24 - 8, nominal current: 41 A, nom. voltage: 1000 V, width: 8.2 mm, color: green-yellow



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 50 pc                                                                                                   |
| GTIN         | <br>4 046356 607988 |
| GTIN         | 4046356607988                                                                                           |

### Technical data

#### General

|                                                                         |                                                       |
|-------------------------------------------------------------------------|-------------------------------------------------------|
| Number of positions                                                     | 1                                                     |
| Potentials                                                              | 1                                                     |
| Nominal cross section                                                   | 6 mm <sup>2</sup>                                     |
| Color                                                                   | green-yellow                                          |
| Insulating material                                                     | PA                                                    |
| Flammability rating according to UL 94                                  | V0                                                    |
| 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 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>                                          | 41 A                                                  |
| Nominal voltage U <sub>N</sub>                                          | 1000 V                                                |
| 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                                                |

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## Technical data

### General

|                                                         |             |
|---------------------------------------------------------|-------------|
| 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 | 42.7 mm |
|        | 26 mm   |
| Pitch  | 8.2 mm  |

### Connection data

|                                                                                                        |                      |
|--------------------------------------------------------------------------------------------------------|----------------------|
| Connection method                                                                                      | Screw connection     |
| Screw thread                                                                                           | M3                   |
| Stripping length                                                                                       | 10 mm                |
| Tightening torque, min                                                                                 | 0.6 Nm               |
| Tightening torque max                                                                                  | 0.8 Nm               |
| Connection in acc. with standard                                                                       | IEC 61984            |
| Conductor cross section solid min.                                                                     | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                                     | 6 mm <sup>2</sup>    |
| Conductor cross section AWG min.                                                                       | 24                   |
| Conductor cross section AWG max.                                                                       | 8                    |
| Conductor cross section flexible min.                                                                  | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                                                  | 10 mm <sup>2</sup>   |
| Min. AWG conductor cross section, flexible                                                             | 24                   |
| Max. AWG conductor cross section, flexible                                                             | 8                    |
| Conductor cross section flexible, with ferrule without plastic sleeve min.                             | 0.25 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.                                | 0.25 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, solid min.                                                       | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                                       | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                                    | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                                    | 2.5 mm <sup>2</sup>  |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum | 0.5 mm <sup>2</sup>  |

## Plug - UP 6/ 1-M GNYE - 3060788

### Technical data

#### Connection data

|                                                                                                        |                      |
|--------------------------------------------------------------------------------------------------------|----------------------|
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 4 mm <sup>2</sup>    |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum  | 0.25 mm <sup>2</sup> |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum  | 1.5 mm <sup>2</sup>  |
| Internal cylindrical gage                                                                              | A5                   |

#### Standards and Regulations

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

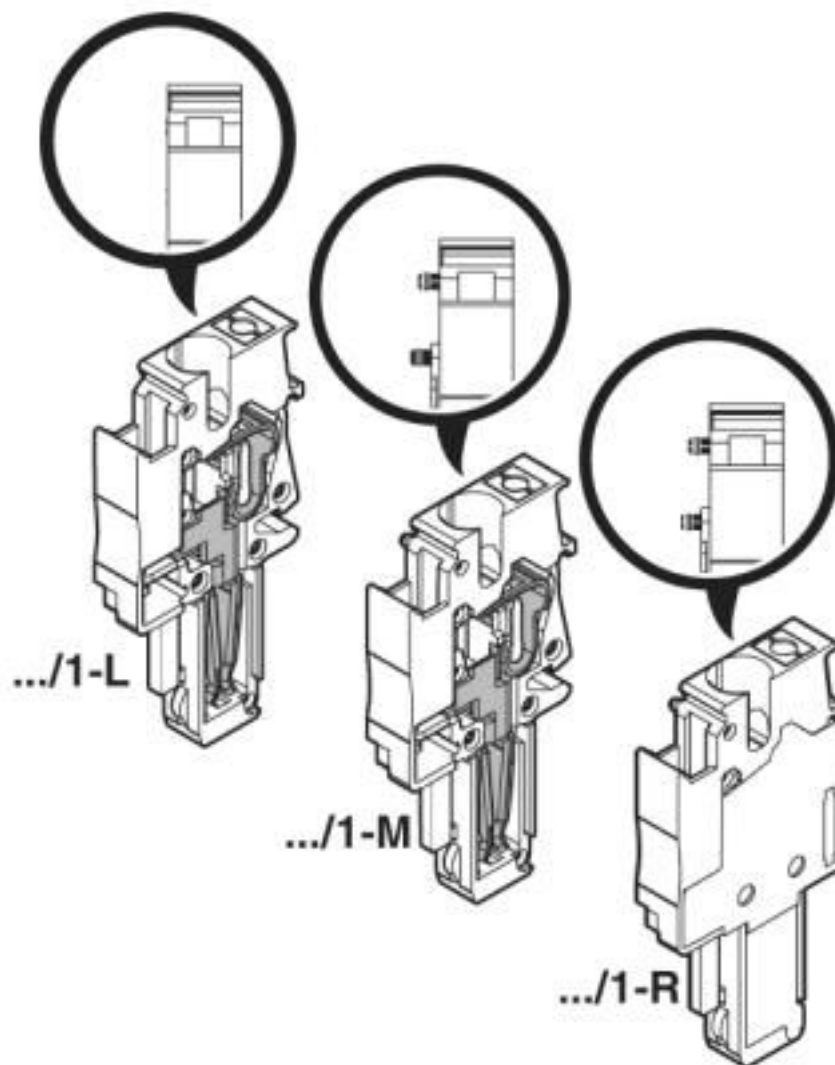
#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50 years                                                      |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

## Plug - UP 6/ 1-M GNYE - 3060788

Schematic diagram



Circuit diagram



### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27141151 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |

## Plug - UP 6/ 1-M GNYE - 3060788

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| 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 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 / IECCE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / EAC / cULus Recognized

#### Ex Approvals

#### Approval details

|                    |                                                                                     |                                                                                                                                         |       |
|--------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------|
| CSA                |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                    | B                                                                                   | C                                                                                                                                       |       |
| Nominal voltage UN | 600 V                                                                               | 600 V                                                                                                                                   |       |
| Nominal current IN | 50 A                                                                                | 50 A                                                                                                                                    |       |

## Plug - UP 6/ 1-M GNYE - 3060788

### Approvals

|               | B    | C    |
|---------------|------|------|
| mm²/AWG/kcmil | 24-8 | 24-8 |

|                    |       |       |                                                                                   |                                                                                                                                                       |              |
|--------------------|-------|-------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UL Recognized      |       |       |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                    | B     | C     |                                                                                   |                                                                                                                                                       |              |
| Nominal voltage UN | 600 V | 600 V |                                                                                   |                                                                                                                                                       |              |
| Nominal current IN | 40 A  | 40 A  |                                                                                   |                                                                                                                                                       |              |
| mm²/AWG/kcmil      | 24-8  | 24-8  |                                                                                   |                                                                                                                                                       |              |

|                    |       |       |                                                                                   |                                                                                                                                                       |              |
|--------------------|-------|-------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| cUL Recognized     |       |       |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                    | B     | C     |                                                                                   |                                                                                                                                                       |              |
| Nominal voltage UN | 600 V | 600 V |                                                                                   |                                                                                                                                                       |              |
| Nominal current IN | 40 A  | 40 A  |                                                                                   |                                                                                                                                                       |              |
| mm²/AWG/kcmil      | 24-8  | 24-8  |                                                                                   |                                                                                                                                                       |              |

|                    |  |                                                                                     |                                                           |           |
|--------------------|--|-------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------|
| IECEE CB Scheme    |  |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-60929 |
|                    |  |                                                                                     |                                                           |           |
| Nominal voltage UN |  | 1000 V                                                                              |                                                           |           |
| mm²/AWG/kcmil      |  | 0.2-6                                                                               |                                                           |           |

|                                            |                                                                                     |                                                                                                                                                                                                                |          |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit<br>Fertigungsüberwachung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/<br/>VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40034876 |
|                                            |                                                                                     |                                                                                                                                                                                                                |          |
| Nominal voltage UN                         |                                                                                     | 1000 V                                                                                                                                                                                                         |          |
| mm²/AWG/kcmil                              |                                                                                     | 0.2-6                                                                                                                                                                                                          |          |

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

|     |                                                                                     |                          |
|-----|-------------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00511 |
|-----|-------------------------------------------------------------------------------------|--------------------------|

## Plug - UP 6/ 1-M GNYE - 3060788

### Approvals

cULus Recognized



### Accessories

#### Accessories

##### End cover

Flange cover - DF-UP 6 - 3060856



Flange cover, snap onto the UP 6/... plugs, length: 21 mm, width: 4.5 mm, height: 24.7 mm, 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



## Plug - UP 6/ 1-M GNYE - 3060788

### Accessories

Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



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Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



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Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray



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Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black



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



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

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

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

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### Mounting material

Latching - PRZ - 3040614



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

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Latching - PR - 3040559



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

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### Accessories

Latching - PR/2 - 3040630



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

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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

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### Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

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Screwdriver - SF-SL 0,6X3,5-100 S-VDE - 1212587



Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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### Shield connection

Shield connection clamp - PSH 3- 6 - 3040591



Shield connection clamp, color: black

## Plug - UP 6/ 1-M GNYE - 3060788

### Accessories

Shield connection clamp - PSH 5-10 - 3040601



Shield connection clamp, color: black

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### Strain relief

Strain relief - PZ/2 - 3040627



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

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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

## Plug - UP 6/ 1-M GNYE - 3060788

### Accessories

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: gray

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