

## Plug - QP 1,5/ 1 - 3051108

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Plug, number of positions: 1, connection method: Quick connection, cross section: 0.25 mm<sup>2</sup>- 1.5 mm<sup>2</sup>, AWG: 24 - 16, nominal current: 17.5 A, nom. voltage: 500 V, width: 5.2 mm, color: gray

### Your advantages

- ✓ Just like the basic terminal blocks, the plugs also offer the right connection technology for every application
- ✓ The conductor is connected using the familiar IDC connection with no stripping, therefore saving time
- ✓ The QP 1,5/... fast connector plug is designed for the connection of solid and stranded conductors
- ✓ Tested for railway applications



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| Minimum order quantity               | 50 pc                                                                                                   |
| GTIN                                 | <br>4 046356 082457 |
| GTIN                                 | 4046356082457                                                                                           |
| Weight per Piece (excluding packing) | 4.480 g                                                                                                 |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Turkey                                                                                                  |

### Technical data

#### General

|                                        |                     |
|----------------------------------------|---------------------|
| Number of positions                    | 1                   |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Color                                  | gray                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |

# Plug - QP 1,5/ 1 - 3051108

## Technical data

### General

|                                                                         |                                                           |
|-------------------------------------------------------------------------|-----------------------------------------------------------|
| Degree of pollution                                                     | 3                                                         |
| Overvoltage category                                                    | III                                                       |
| Insulating material group                                               | I                                                         |
| Maximum power dissipation for nominal condition                         | 0.56 W                                                    |
| Maximum load current                                                    | 17.5 A (with 1.5 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>                                          | 17.5 A                                                    |
| Nominal voltage U <sub>N</sub>                                          | 500 V                                                     |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C                                                    |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °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                                                    |
| Smoke gas toxicity NFPA 130 (SMP 800C)                                  | passed                                                    |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg                                                  |
| 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  | 5.2 mm |
| Length | 20 mm  |
| Height | 40 mm  |
|        | 24 mm  |
| Pitch  | 5.2 mm |

### Connection data

|                                            |                      |
|--------------------------------------------|----------------------|
| Connection                                 | 1 level              |
| Connection method                          | Quick connection     |
| Connection in acc. with standard           | IEC 61984            |
| Conductor cross section solid min.         | 0.25 mm <sup>2</sup> |
| Conductor cross section solid max.         | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.           | 24                   |
| Conductor cross section AWG max.           | 16                   |
| Conductor cross section flexible min.      | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible max.      | 1.5 mm <sup>2</sup>  |
| Min. AWG conductor cross section, flexible | 24                   |
| Max. AWG conductor cross section, flexible | 16                   |

## Plug - QP 1,5/ 1 - 3051108

### Technical data

#### Connection data

|                                                                             |                 |
|-----------------------------------------------------------------------------|-----------------|
| Material wire insulation                                                    | PVC / PE        |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 Cl.1-5 |

#### Standards and Regulations

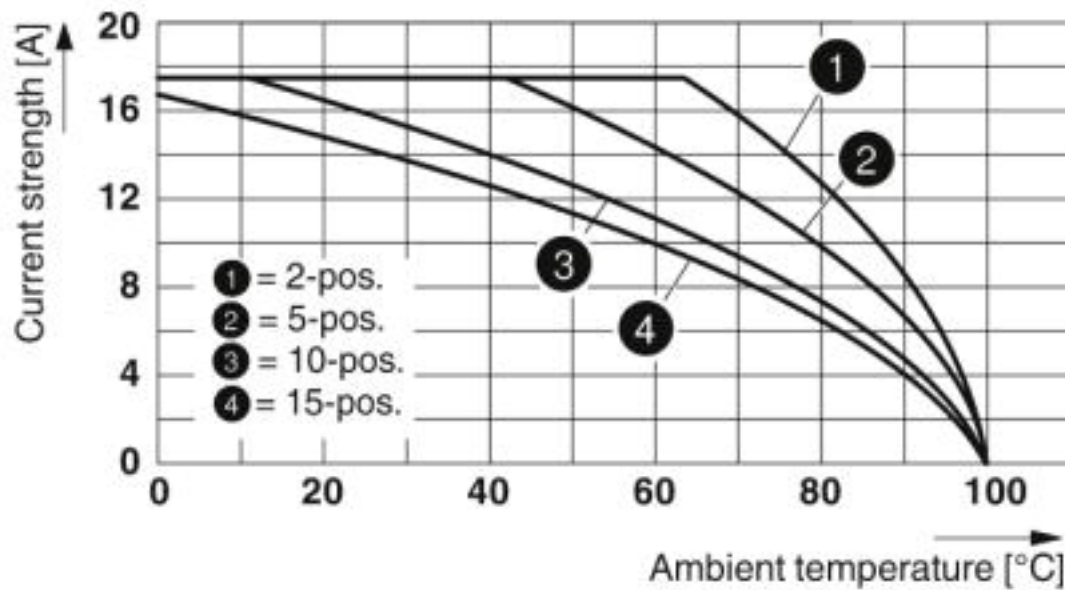
|                                        |           |
|----------------------------------------|-----------|
| Connection in acc. with standard       | CSA       |
|                                        | IEC 61984 |
| Flammability rating according to UL 94 | V0        |

#### Environmental Product Compliance

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

### Drawings

Diagram



Circuit diagram



## Plug - QP 1,5/ 1 - 3051108

### Classifications

#### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27141151 |
| 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 2.0 | EC000897 |
| 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

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#### Approvals

CSA / UL Recognized / cUL Recognized / EAC / DNV GL / EAC / EAC / cULus Recognized

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#### Ex Approvals

## Plug - QP 1,5/ 1 - 3051108

### 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                                                                                                                                       | D     |
| Nominal voltage UN | 300 V                                                                             | 300 V                                                                                                                                   | 600 V |
| Nominal current IN | 10 A                                                                              | 10 A                                                                                                                                    | 5 A   |
| mm²/AWG/kcmil      | 24-16                                                                             | 24-16                                                                                                                                   | 24-16 |

|                    |                                                                                   |                                                                                                                                                       |              |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 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                                                                                                                                                     | D            |
| Nominal voltage UN | 300 V                                                                             | 300 V                                                                                                                                                 | 600 V        |
| Nominal current IN | 10 A                                                                              | 10 A                                                                                                                                                  | 5 A          |
| mm²/AWG/kcmil      | 24-16                                                                             | 24-16                                                                                                                                                 | 24-16        |

|                    |                                                                                     |                                                                                                                                                       |              |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 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                                                                                                                                                     | D            |
| Nominal voltage UN | 300 V                                                                               | 300 V                                                                                                                                                 | 600 V        |
| Nominal current IN | 10 A                                                                                | 10 A                                                                                                                                                  | 5 A          |
| mm²/AWG/kcmil      | 24-16                                                                               | 24-16                                                                                                                                                 | 24-16        |

|     |                                                                                     |               |
|-----|-------------------------------------------------------------------------------------|---------------|
| EAC |  | EAC-Zulassung |
|-----|-------------------------------------------------------------------------------------|---------------|

|        |                                                                                     |                                                                                   |            |
|--------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|
| DNV GL |  | <a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a> | TAE00003J6 |
|--------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|

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

## Plug - QP 1,5/ 1 - 3051108

### Approvals

EAC



RU C-  
DE.BL08.B.00511

cULus Recognized



### Accessories

#### Accessories

##### 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 - QP 1,5/ 1 - 3051108

### 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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### Partition plate

Spacer plate - DP PS-5 - 3036725



Spacer plate, length: 22.4 mm, width: 5.2 mm, height: 29 mm, number of positions: 1, color: red

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### Accessories

#### Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, 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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#### Test plug terminal block

Reducing plug - RPS - 0201647



Reducing plug, color: gray

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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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Test plugs - PS-5 - 3030983



Test plugs, Modular test plug, color: red

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Test plugs - PS-5/2,3MM RD - 3038723



Test plugs, color: red

## Plug - QP 1,5/ 1 - 3051108

### Accessories

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