

## Plug - SP 2,5/ 4 NZ:5 - 3043792

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Plug, consists of three gray elements and one green and yellow element, Connection method: Spring-cage connection, Plug connection, Number of connections: 4, Number of positions: 4, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Width: 20.8 mm, Height: 39 mm, Color: gray/green-yellow

The illustration shows a 6-position version

**RoHS**

### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 50 STK                                                                                                  |
| Minimum order quantity               | 50 STK                                                                                                  |
| GTIN                                 | <br>4 046356 337526 |
| GTIN                                 | 4046356337526                                                                                           |
| Weight per Piece (excluding packing) | 15.500 g                                                                                                |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Poland                                                                                                  |
| Note                                 | Made to Order (non-returnable)                                                                          |

### Technical data

#### General

|                                        |                                                           |
|----------------------------------------|-----------------------------------------------------------|
| Number of positions                    | 4                                                         |
| Number of levels                       | 1                                                         |
| Number of connections                  | 4                                                         |
| Nominal cross section                  | 2.5 mm <sup>2</sup>                                       |
| Color                                  | gray/green-yellow                                         |
| Insulating material                    | PA                                                        |
| Flammability rating according to UL 94 | V0                                                        |
| Maximum load current                   | 24 A (with a 2.5 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage                    | 6 kV                                                      |
| Degree of pollution                    | 3                                                         |
| Overvoltage category                   | III                                                       |

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## Technical data

### General

|                                                                         |                                                       |
|-------------------------------------------------------------------------|-------------------------------------------------------|
| Insulating material group                                               | I                                                     |
| Maximum power dissipation for nominal condition                         | 0.77 W                                                |
| Maximum load current                                                    | 24 A (with 4 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>                                          | 24 A                                                  |
| Nominal voltage U <sub>N</sub>                                          | 500 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)) | 130 °C                                                |
| Static insulating material application in cold                          | -60 °C                                                |
| Behavior in fire for rail vehicles (DIN 5510-2)                         | Test passed                                           |
| Flame test method (DIN EN 60695-11-10)                                  | V0                                                    |
| Oxygen index (DIN EN ISO 4589-2)                                        | >32 %                                                 |
| NF F16-101, NF F10-102 Class I                                          | 2                                                     |
| NF F16-101, NF F10-102 Class F                                          | 2                                                     |
| 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  | 20.8 mm |
| Length | 15.8 mm |
| Height | 39 mm   |
|        | 24 mm   |
| Pitch  | 5.2 mm  |

### Connection data

|                                            |                        |
|--------------------------------------------|------------------------|
| Connection method                          | Spring-cage connection |
| Connection in acc. with standard           | IEC 61984              |
| Conductor cross section solid min.         | 0.08 mm <sup>2</sup>   |
| Conductor cross section solid max.         | 4 mm <sup>2</sup>      |
| Conductor cross section AWG min.           | 28                     |
| Conductor cross section AWG max.           | 12                     |
| Conductor cross section flexible min.      | 0.08 mm <sup>2</sup>   |
| Conductor cross section flexible max.      | 2.5 mm <sup>2</sup>    |
| Min. AWG conductor cross section, flexible | 28                     |
| Max. AWG conductor cross section, flexible | 14                     |

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### Technical data

#### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm <sup>2</sup>  |
| Stripping length                                                                        | 10 mm                |
| Internal cylindrical gage                                                               | A3                   |
| Connection method                                                                       | Plug connection      |

#### 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

#### Circuit diagram



### Approvals

#### Approvals

Approvals

CSA / EAC

Ex Approvals

#### Approval details

|                            |                                                                                     |                                                                                                                                                                                           |       |
|----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| CSA                        |  | <a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a> | 13631 |
|                            | B                                                                                   | C                                                                                                                                                                                         | D     |
| mm <sup>2</sup> /AWG/kcmil | 24-12                                                                               | 24-12                                                                                                                                                                                     | 24-12 |

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### Approvals

|                                | B     | C     | D     |
|--------------------------------|-------|-------|-------|
| Nominal current I <sub>N</sub> | 20 A  | 20 A  | 5 A   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V | 300 V |

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