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## Device terminal block - G 10/ 5 - 2716732

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Device terminal block, for direct mounting, 5-pos.


The figure shows a combination of versions G 10/2, G 10/4 and G 10/5

### Why buy this product

- Touch-proof shock protection



### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 10 STK  |
| GTIN         | <br>4 017918 062002 |
| GTIN         | 4017918062002   |

### Technical data

#### General

|   |  |
|---|--|
| Number of positions                             | 5  |
| Number of levels                                | 1  |
| Number of connections                           | 10   |
| Potentials                                      | 5  |
| Nominal cross section                           | 10 mm <sup>2</sup>                                     |
| Color   | gray   |
| Insulating material                             | PA   |
| Flammability rating according to UL 94          | V2   |
| Rated surge voltage                             | 8 kV   |
| Degree of pollution                             | 3  |
| Overvoltage category                            | III  |
| Insulating material group                       | I  |
| Maximum power dissipation for nominal condition | 1.82 W   |
| Maximum load current                            | 76 A (with 16 mm <sup>2</sup> conductor cross section) |

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## Technical data

### General

|   |                              |
|---|------------------------------|
| Nominal current I <sub>N</sub>  | 57 A                         |
| Nominal voltage U <sub>N</sub>  | 800 V                        |
| Open side panel   | No                           |
| Shock protection test specification   | IEC 60529:2001-02            |
| Back of the hand protection   | guaranteed                   |
| Finger protection   | guaranteed                   |
| Result of surge voltage test  | Test passed                  |
| Surge voltage test setpoint   | 9.8 kV                       |
| Result of power-frequency withstand voltage test  | Test passed                  |
| Power frequency withstand voltage setpoint  | 2 kV                         |
| Result of the test for mechanical stability of terminal points (5 x conductor connection) | Test passed                  |
| Result of bending test  | Test passed                  |
| Bending test rotation speed   | 10 rpm                       |
| Bending test turns  | 135                          |
| Bending test conductor cross section/weight   | 0.5 mm <sup>2</sup> / 0.3 kg |
|   | 10 mm <sup>2</sup> / 2 kg    |
|   | 16 mm <sup>2</sup> / 2.9 kg  |
| Tensile test result   | Test passed                  |
| Conductor cross section tensile test  | 0.5 mm <sup>2</sup>          |
| Tractive force setpoint   | 20 N                         |
| Conductor cross section tensile test  | 10 mm <sup>2</sup>           |
| Tractive force setpoint   | 90 N                         |
| Conductor cross section tensile test  | 16 mm <sup>2</sup>           |
| Tractive force setpoint   | 100 N                        |
| Result of voltage-drop test   | Test passed                  |
| Requirements, voltage drop  | ≤ 3.2 mV                     |
| Result of temperature-rise test   | Test passed                  |
| Short circuit stability result  | Test passed                  |
| Conductor cross section short circuit testing   | 10 mm <sup>2</sup>           |
| Short-time current  | 1.2 kA                       |
| Conductor cross section short circuit testing   | 16 mm <sup>2</sup>           |
| Short-time current  | 1.92 kA                      |
| Result of thermal test  | Test passed                  |
| Proof of thermal characteristics (needle flame) effective duration                        | 30 s                         |
| Relative insulation material temperature index (Elec., UL 746 B)                          | 125 °C                       |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))                   | 125 °C                       |
| Static insulating material application in cold  | -40 °C                       |

### Dimensions

|       |       |
|-------|-------|
| Width | 68 mm |
|-------|-------|

# Device terminal block - G 10/ 5 - 2716732

## Technical data

### Dimensions

|        |       |
|--------|-------|
| Length | 33 mm |
| Height | 31 mm |

### Connection data

|   |                         |
|---|-------------------------|
| Connection method   | Screw connection        |
| Connection in acc. with standard  | IEC 60947-7-1/IEC 60998 |
| Conductor cross section solid min.  | 0.5 mm <sup>2</sup>     |
| Conductor cross section solid max.  | 16 mm <sup>2</sup>      |
| Conductor cross section AWG min.  | 20                      |
| Conductor cross section AWG max.  | 6                       |
| Conductor cross section flexible min.   | 0.5 mm <sup>2</sup>     |
| Conductor cross section flexible max.   | 10 mm <sup>2</sup>      |
| Min. AWG conductor cross section, flexible  | 20                      |
| Max. AWG conductor cross section, flexible  | 8                       |
| 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.              | 16 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.                 | 16 mm <sup>2</sup>      |
| 2 conductors with same cross section, solid min.  | 0.5 mm <sup>2</sup>     |
| 2 conductors with same cross section, solid max.  | 6 mm <sup>2</sup>       |
| 2 conductors with same cross section, stranded min.                                     | 0.5 mm <sup>2</sup>     |
| 2 conductors with same cross section, stranded 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. | 6 mm <sup>2</sup>       |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.5 mm <sup>2</sup>     |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 6 mm <sup>2</sup>       |
| Stripping length  | 12 mm                   |
| Internal cylindrical gage   | A3                      |
| Screw thread  | M4                      |
| Tightening torque, min  | 1.5 Nm                  |
| Tightening torque max   | 1.8 Nm                  |

### Standards and Regulations

|  |                         |
|--|-------------------------|
| Connection in acc. with standard       | CSA                     |
|  | IEC 60947-7-1/IEC 60998 |
| Flammability rating according to UL 94 | V2                      |

### Environmental Product Compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1                           |
| China RoHS | Environmentally Friendly Use Period = 50 |

# Device terminal block - G 10/ 5 - 2716732

## Technical data

### Environmental Product Compliance

|  |   |
|--|---|
|  | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |
|--|---|

## Approvals


### Approvals


#### Approvals

CSA / UL Recognized / PRS

#### 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 |
| Nominal voltage UN         |   | 600 V   |       |
| Nominal current IN         |   | 65 A  |       |
| mm <sup>2</sup> /AWG/kcmil |   | 24-6  |       |

|                            |   |   |              |
|----------------------------|---|---|--------------|
| 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 |
| Nominal voltage UN         |   | 600 V   |              |
| Nominal current IN         |   | 65 A  |              |
| mm <sup>2</sup> /AWG/kcmil |   | 24-6  |              |

|     |   |   |                   |
|-----|---|---|-------------------|
| PRS |  | <a href="http://www.prs.pl/">http://www.prs.pl/</a> | TE/1824/880590/09 |
|-----|---|---|-------------------|

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