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Especialistas en Automatización

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## Ground modular terminal block - PT 2,5/1P-PE - 3210059

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Ground modular terminal block, Connection method: Push-in / plug connection, Cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, Width: 5.2 mm, Height: 35.3 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15

### Why buy this product

- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- The compact design and front connection enable wiring in a confined space
- In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection
- Tested for railway applications

### Key Commercial Data

|              |                     |
|--------------|---------------------|
| Packing unit | 50 STK              |
| GTIN         | <br>4 046356 333436 |

### Technical data

#### General

|  |                        |
|--|------------------------|
| Number of levels                       | 1                      |
| Number of connections                  | 2                      |
| Nominal cross section                  | 2.5 mm <sup>2</sup>    |
| Color                                  | green-yellow           |
| Insulating material                    | PA                     |
| Flammability rating according to UL 94 | V0                     |
| Area of application                    | Railway industry       |
|  | Mechanical engineering |
|  | Plant engineering      |
| Rated surge voltage                    | 6 kV                   |
| Degree of pollution                    | 3                      |
| Overvoltage category                   | III                    |
| Insulating material group              | I                      |
| Connection in acc. with standard       | IEC 61984              |
| Open side panel                        | Yes                    |
| Insertion/withdrawal cycles mechanical | 100                    |

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## Technical data

### General

|   |   |
|---|---|
| Oscillation, broadband noise test result                                | Test passed   |
| Test specification, oscillation, broadband noise                        | DIN EN 50155 (VDE 0115-200):2008-03                 |
| Test spectrum   | Service life test category 1, class B, body mounted |
| Test frequency  | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$      |
| ASD level   | $0.964 \text{ (m/s}^2\text{)}^2\text{/Hz}$          |
| Acceleration  | 0.58 g  |
| Test duration per axis  | 5 h   |
| Test directions   | X-, Y- and Z-axis                                   |
| Shock test result   | Test passed   |
| Test specification, shock test  | DIN EN 50155 (VDE 0115-200):2008-03                 |
| Shock form  | Half-sine   |
| Acceleration  | 5 g   |
| Shock duration  | 30 ms   |
| Number of shocks per direction  | 3   |
| Test directions   | X-, Y- and Z-axis (pos. and neg.)                   |
| 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  |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 5.2 mm  |
| End cover width  | 2.2 mm  |
| Length           | 48.5 mm |
| Height           | 35.3 mm |
| Height NS 35/7,5 | 36.5 mm |
| Height NS 35/15  | 44 mm   |

### Connection data

|  |  |
|--|--|
| Note   | Please observe the current carrying capacity of the DIN rails. |
| Connection method  | Push-in / plug connection                                      |
| Connection in acc. with standard   | IEC 61984  |
| Conductor cross section solid min.   | 0.14 mm <sup>2</sup>   |
| Conductor cross section solid max.   | 4 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 26   |
| Conductor cross section AWG max.   | 12   |
| Conductor cross section flexible min.                                      | 0.14 mm <sup>2</sup>   |
| Conductor cross section flexible max.                                      | 2.5 mm <sup>2</sup>  |
| Min. AWG conductor cross section, flexible                                 | 26   |
| Max. AWG conductor cross section, flexible                                 | 14   |
| 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>  |

## Ground modular terminal block - PT 2,5/1P-PE - 3210059

### Technical data

#### Connection data

|   |                      |
|---|----------------------|
| 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  | 8 mm ... 10 mm       |
| Internal cylindrical gage   | A3                   |

#### Standards and Regulations

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

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141118 |
| eCl@ss 4.1 | 27141118 |
| eCl@ss 5.0 | 27141118 |
| eCl@ss 5.1 | 27141118 |
| eCl@ss 6.0 | 27141141 |
| eCl@ss 7.0 | 27141141 |
| eCl@ss 8.0 | 27141141 |
| eCl@ss 9.0 | 27141141 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000901 |
| ETIM 3.0 | EC000901 |
| ETIM 4.0 | EC000901 |
| ETIM 5.0 | EC000901 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |

### Approvals

#### Approvals

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## Approvals

### Approvals

CSA / UL Recognized / cUL Recognized / LR / RS / ABS / NK / BV / EAC / NK / EAC / cULus Recognized

### Ex Approvals

### Approvals submitted

### Approval details

|                            |       |
|----------------------------|-------|
| CSA                        |       |
| mm <sup>2</sup> /AWG/kcmil | 26-12 |

|                            |       |       |       |
|----------------------------|-------|-------|-------|
| UL Recognized              |       |       |       |
|                            | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil | 26-12 | 26-12 | 26-12 |

|                            |       |       |       |
|----------------------------|-------|-------|-------|
| cUL Recognized             |       |       |       |
|                            | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil | 26-12 | 26-12 | 26-12 |

LR

RS

ABS

NK

BV


EAC

## Ground modular terminal block - PT 2,5/1P-PE - 3210059

### Approvals

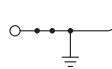
NK

EAC

cULus Recognized  US

### Drawings

Circuit diagram



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