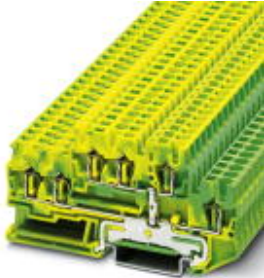


## Protective conductor double-level terminal block - STTB 2,5-TWIN-PE - 3038532

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Protective conductor double-level terminal block, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Connection type: Spring-cage connection, Width: 5.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15

### Product Features

- Additional labeling options
- Compact design for maximum space savings
- Low contact resistance
- Corrosion-free terminal points
- Tested for railway applications
- Green-yellow housing



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 19.1 g   |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Poland   |

### Technical data

#### General

|                                        |                     |
|----------------------------------------|---------------------|
| Number of levels                       | 2                   |
| Number of connections                  | 6                   |
| 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    |

# Protective conductor double-level terminal block - STTB 2,5-TWIN-PE - 3038532

## Technical data

### General

|                                                                         |                                                |
|-------------------------------------------------------------------------|------------------------------------------------|
|                                                                         | Machine building                               |
|                                                                         | Plant engineering                              |
| Rated surge voltage                                                     | 6 kV                                           |
| Degree of pollution                                                     | 3                                              |
| Overvoltage category                                                    | III                                            |
| Insulating material group                                               | I                                              |
| Connection in acc. with standard                                        | IEC 60947-7-2                                  |
| Open side panel                                                         | Yes                                            |
| Shock protection test specification                                     | DIN EN 50274 (VDE 0660-514):2002-11            |
| Back of the hand protection                                             | guaranteed                                     |
| Finger protection                                                       | guaranteed                                     |
| 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 2, bogie mounted    |
| Test frequency                                                          | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level                                                               | $6.12 \text{ (m/s}^2\text{)}^2/\text{Hz}$      |
| Acceleration                                                            | 3.12 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                                                            | 30g                                            |
| Shock duration                                                          | 18 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  |
| Length           | 91.5 mm |
| Height NS 35/7,5 | 47.5 mm |
| Height NS 35/15  | 55 mm   |

### Connection data

# Protective conductor double-level terminal block - STTB 2,5-TWIN-PE - 3038532

## Technical data

### Connection data

|                                                                                         |                                                                |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Note                                                                                    | Please observe the current carrying capacity of the DIN rails. |
| Connection method                                                                       | Spring-cage connection                                         |
| Conductor cross section solid min.                                                      | 0.08 mm <sup>2</sup>                                           |
| Conductor cross section solid max.                                                      | 4 mm <sup>2</sup>                                              |
| Conductor cross section flexible min.                                                   | 0.08 mm <sup>2</sup>                                           |
| Conductor cross section flexible max.                                                   | 2.5 mm <sup>2</sup>                                            |
| Conductor cross section AWG min.                                                        | 28                                                             |
| Conductor cross section AWG max.                                                        | 12                                                             |
| 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                                                                        | 8 mm ... 10 mm                                                 |
| Internal cylindrical gage                                                               | A3                                                             |

### Standards and Regulations

|                                        |               |
|----------------------------------------|---------------|
| Connection in acc. with standard       | CSA           |
|                                        | IEC 60947-7-2 |
| Flammability rating according to UL 94 | V0            |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141121 |
| eCl@ss 4.1 | 27141121 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141141 |
| eCl@ss 9.0 | 27141141 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |

## Protective conductor double-level terminal block - STTB 2,5-TWIN-PE - 3038532

### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

#### UNSPSC

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

### Approvals

#### Approvals

#### Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / LR / BV / RS / KR / NK / IECCEB Scheme / NK / EAC / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

#### Approval details

|                                                                                         |       |
|-----------------------------------------------------------------------------------------|-------|
| CSA  |       |
| mm²/AWG/kcmil                                                                           | 28-12 |

|                                                                                                   |       |
|---------------------------------------------------------------------------------------------------|-------|
| UL Recognized  |       |
| mm²/AWG/kcmil                                                                                     | 28-12 |

## Protective conductor double-level terminal block - STTB 2,5-TWIN-PE - 3038532

### Approvals

|                                                                                                                           |         |
|---------------------------------------------------------------------------------------------------------------------------|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
| mm²/AWG/kcmil                                                                                                             | 0.2-2.5 |

|                                                                                                  |       |
|--------------------------------------------------------------------------------------------------|-------|
| cUL Recognized  |       |
| mm²/AWG/kcmil                                                                                    | 28-12 |

LR

BV

RS

KR

NK

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| IECEE CB Scheme  |
|-----------------------------------------------------------------------------------------------------|

NK

EAC

EAC

|                                                                                                         |
|---------------------------------------------------------------------------------------------------------|
| cULus Recognized  US |
|---------------------------------------------------------------------------------------------------------|

## Protective conductor double-level terminal block - STTB 2,5-TWIN-PE - 3038532

### Drawings

Circuit diagram

