

## Disconnect terminal block - PT 1,5/S-TG - 3210306

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Disconnect terminal block, Connection type: Push-in connection, Cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 26 - 14, Nominal current: 10 A, Nominal voltage: 400 V, Length: 58.9 mm, Width: 3.5 mm, Color: gray, Assembly: 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

### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 50 STK                                                                                                  |
| GTIN                                 | <br>4 046356 867115 |
| Weight per Piece (excluding packing) | 4.432 g                                                                                                 |
| Weight per piece (including packing) | 4.432 g                                                                                                 |
| Country of origin                    | Poland                                                                                                  |
| Note                                 | Made to Order (non-returnable)                                                                          |

### Technical data

#### General

|                                        |                     |
|----------------------------------------|---------------------|
| Number of levels                       | 1                   |
| Number of connections                  | 2                   |
| Potentials                             | 1                   |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Color                                  | gray                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Rated surge voltage                    | 6 kV                |
| Degree of pollution                    | 3                   |
| Overvoltage category                   | III                 |
| Insulating material group              | I                   |
| Maximum load current                   | 10 A                |
| Nominal current I <sub>N</sub>         | 10 A                |

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## Technical data

### General

|                                                                                           |                                             |
|-------------------------------------------------------------------------------------------|---------------------------------------------|
| Nominal voltage $U_N$                                                                     | 400 V                                       |
| 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                                  |
| Result of surge voltage test                                                              | Test passed                                 |
| Surge voltage test setpoint                                                               | 7.3 kV                                      |
| Result of power-frequency withstand voltage test                                          | Test passed                                 |
| Power frequency withstand voltage setpoint                                                | 1.89 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                                               | 0.14 mm <sup>2</sup> / 0.2 kg               |
|                                                                                           | 1.5 mm <sup>2</sup> / 0.4 kg                |
| Tensile test result                                                                       | Test passed                                 |
| Conductor cross section tensile test                                                      | 0.14 mm <sup>2</sup>                        |
| Tractive force setpoint                                                                   | 10 N                                        |
| Conductor cross section tensile test                                                      | 1.5 mm <sup>2</sup>                         |
| Tractive force setpoint                                                                   | 40 N                                        |
| Result of tight fit on support                                                            | Test passed                                 |
| Tight fit on carrier                                                                      | NS 35                                       |
| Setpoint                                                                                  | 1 N                                         |
| Result of voltage-drop test                                                               | Test passed                                 |
| Requirements, voltage drop                                                                | $\leq 6,4$ mV                               |
| Result of temperature-rise test                                                           | Test passed                                 |
| Short circuit stability result                                                            | Test passed                                 |
| Conductor cross section short circuit testing                                             | 1.5 mm <sup>2</sup>                         |
| Short-time current                                                                        | 0.18 kA                                     |
| Result of aging test                                                                      | Test passed                                 |
| Ageing test for screwless modular terminal block temperature cycles                       | 192                                         |
| Result of thermal test                                                                    | Test passed                                 |
| Proof of thermal characteristics (needle flame) effective duration                        | 30 s                                        |
| 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                                                                            | $f_1 = 5$ Hz to $f_2 = 250$ Hz              |
| ASD level                                                                                 | 6.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz   |
| Acceleration                                                                              | 3.12 g                                      |
| Test duration per axis                                                                    | 5 h                                         |

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## Technical data

### General

|                                                                         |                                     |
|-------------------------------------------------------------------------|-------------------------------------|
| 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            | 3.5 mm   |
| End cover width  | 0.8 mm   |
| Length           | 58.9 mm  |
| Height           | 30.50 mm |
| Height NS 35/7,5 | 32 mm    |
| Height NS 35/15  | 39.5 mm  |

### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Connection method                                                          | Push-in connection   |
| Connection in acc. with standard                                           | IEC 60947-7-1        |
| Conductor cross section solid min.                                         | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.                                           | 26                   |
| Conductor cross section AWG max.                                           | 14                   |
| Conductor cross section flexible min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 1.5 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. | 1.5 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.    | 1 mm <sup>2</sup>    |
| Stripping length                                                           | 8 mm                 |
| Internal cylindrical gage                                                  | A1 / B1              |

### Standards and Regulations

|                                        |               |
|----------------------------------------|---------------|
| Connection in acc. with standard       | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0            |

## Disconnect terminal block - PT 1,5/S-TG - 3210306

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27141140 |
| eCl@ss 7.0 | 27141140 |
| eCl@ss 8.0 | 27141126 |
| eCl@ss 9.0 | 27141126 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC000489 |
| ETIM 5.0 | EC000902 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11     | 39121432 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |

### Approvals

#### Approvals

#### Approvals

UL Recognized / cUL Recognized / CSA / LR / cULus Recognized

#### Ex Approvals

#### Approvals submitted

#### Approval details

|                                                                                                   |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                   | B     | C     |
| mm²/AWG/kcmil                                                                                     | 26-16 | 26-16 |
| Nominal current I <sub>N</sub>                                                                    | 10 A  | 10 A  |

## Disconnect terminal block - PT 1,5/S-TG - 3210306

### Approvals

|                    | B     | C     |
|--------------------|-------|-------|
| Nominal voltage UN | 300 V | 300 V |

| cUL Recognized  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                  | B     | C     |
| mm²/AWG/kcmil                                                                                    | 26-16 | 26-16 |
| Nominal current IN                                                                               | 10 A  | 10 A  |
| Nominal voltage UN                                                                               | 300 V | 300 V |

| CSA  |       |       |
|---------------------------------------------------------------------------------------|-------|-------|
|                                                                                       | B     | C     |
| mm²/AWG/kcmil                                                                         | 26-16 | 26-16 |
| Nominal current IN                                                                    | 10 A  | 10 A  |
| Nominal voltage UN                                                                    | 300 V | 300 V |

|    |
|----|
| LR |
|----|

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

### Drawings

Circuit diagram



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