

## Disconnect terminal block - PTT 2,5-L/TG - 3210230

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Disconnect terminal block, with isolating plug, Connection type: Push-in connection, Cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, Nominal current: 16 A, Nominal voltage: 400 V, Length: 92.4 mm, Width: 5.2 mm, Color: gray, Assembly: NS 35/7,5, NS 35/15

### Product Features

- 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                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 17.4 g   |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Poland   |

### Technical data

#### General

|  |                     |
|--|---------------------|
| Number of levels                       | 2                   |
| Number of connections                  | 4                   |
| Nominal cross section                  | 2.5 mm <sup>2</sup> |
| Color                                  | gray                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Rated surge voltage                    | 6 kV                |
| Pollution degree                       | 3                   |
| Overvoltage category                   | III                 |
| Insulating material group              | I                   |

## Disconnect terminal block - PTT 2,5-L/TG - 3210230

### Technical data

#### General

|   |   |
|---|---|
| Connection in acc. with standard  | IEC 60947-7-1   |
| Maximum load current  | 16 A (with 4 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>  | 16 A  |
| Nominal voltage U <sub>N</sub>  | 400 V   |
| Open side panel   | ja  |
| Shock protection test specification   | DIN EN 50274 (VDE 0660-514):2002-11                   |
| Back of the hand protection   | guaranteed  |
| Finger protection   | guaranteed  |
| Surge voltage test setpoint   | 7.3 kV  |
| Result of surge voltage test  | Test passed   |
| Power frequency withstand voltage setpoint                                      | 1.89 kV   |
| Result of power-frequency withstand voltage test                                | Test passed   |
| Checking the mechanical stability of terminal points (5 x conductor connection) | 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                         |
|   | 2.5 mm <sup>2</sup> / 0.7 kg                          |
|   | 4 mm <sup>2</sup> / 0.9 kg                            |
| Result of bending test  | Test passed   |
| Conductor cross section tensile test  | 0.14 mm <sup>2</sup>                                  |
| Tractive force setpoint   | 10 N  |
| Conductor cross section tensile test  | 2.5 mm <sup>2</sup>                                   |
| Tractive force setpoint   | 50 N  |
| Conductor cross section tensile test  | 4 mm <sup>2</sup>                                     |
| Tractive force setpoint   | 60 N  |
| Tensile test result   | Test passed   |
| Tight fit on carrier  | NS 35   |
| Setpoint  | 1 N   |
| Result of tight fit test  | Test passed   |
| Result of voltage drop test   | Test passed   |
| Temperature-rise test   | Test passed   |
| Conductor cross section short circuit testing                                   | 2.5 mm <sup>2</sup>                                   |
| Short-time current  | 0.3 kA  |
| Short circuit stability result  | Test passed   |
| Ageing test for screwless modular terminal block temperature cycles             | 192   |
| Result of aging test  | Test passed   |

## Disconnect terminal block - PTT 2,5-L/TG - 3210230

### Technical data

#### General

|   |  |
|---|--|
| Proof of thermal characteristics (needle flame) effective duration    | 30 s   |
| Result of thermal test  | 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                              |
| Oscillation, broadband noise 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.)              |
| Shock test result   | Test passed                                    |
| Temperature index, insulating 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  | 0.8 mm   |
| Length           | 92.4 mm  |
| Height           | 45.80 mm |
| Height NS 35/7,5 | 47.4 mm  |
| Height NS 35/15  | 54.9 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.         | 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                   |

## Disconnect terminal block - PTT 2,5-L/TG - 3210230

### Technical data

#### Connection data

|   |                      |
|---|----------------------|
| 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>  |
| 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>  |
| Conductor cross section AWG min.  | 26                   |
| Conductor cross section AWG max.  | 12                   |
| Stripping length  | 8 mm ... 10 mm       |
| Internal cylindrical gage   | A3                   |

### Classifications

#### eCl@ss

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

#### 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

# Disconnect terminal block - PTT 2,5-L/TG - 3210230

## Approvals

Approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

## Approval details

|                                |       |       |
|--------------------------------|-------|-------|
| CSA                            |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 26-12 | 26-12 |
| Nominal current I <sub>N</sub> | 16 A  | 16 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

|                                |       |       |   |
|--------------------------------|-------|-------|---|
| UL Recognized                  |       |       |   |
|                                |       | B     | C |
| mm <sup>2</sup> /AWG/kcmil     | 26-12 | 26-12 |   |
| Nominal current I <sub>N</sub> | 16 A  | 16 A  |   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |   |

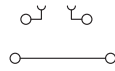
|                                |       |       |   |
|--------------------------------|-------|-------|---|
| cUL Recognized                 |       |       |   |
|                                |       | B     | C |
| mm <sup>2</sup> /AWG/kcmil     | 26-12 | 26-12 |   |
| Nominal current I <sub>N</sub> | 16 A  | 16 A  |   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |   |

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

## Disconnect terminal block - PTT 2,5-L/TG - 3210230

### Drawings

Circuit diagram





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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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