

## Knife disconnect terminal block - PT 1,5/S-QUATTRO-MT - 3210321

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Knife 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: 76.9 mm, Width: 3.5 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
- Convenient separation of circuits, thanks to lever-type disconnect knife



### Key Commercial Data

|                        |          |
|------------------------|----------|
| Packing unit           | 1 pc     |
| Minimum order quantity | 50 pc    |
| Custom tariff number   | 85369010 |
| Country of origin      | Poland   |

### Technical data

#### General

|  |                     |
|--|---------------------|
| Number of levels                       | 1                   |
| Number of connections                  | 4                   |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Color                                  | gray                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Pollution degree                       | 3                   |
| Overvoltage category                   | III                 |
| Insulating material group              | I                   |
| Connection in acc. with standard       | IEC 60947-7-1       |

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## Technical data

### General

|   |                                     |
|---|-------------------------------------|
| Maximum load current  | 10 A                                |
| Nominal current I <sub>N</sub>  | 10 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       |
|   | 1.5 mm <sup>2</sup> / 0.4 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  | 1.5 mm <sup>2</sup>                 |
| Tractive force setpoint   | 40 N                                |
| Tensile test result   | Test passed                         |
| Tight fit on carrier  | NS 35                               |
| Setpoint  | 1 N                                 |
| Result of tight fit test  | Test passed                         |
| Requirements, voltage drop  | ≤ 6,4 mV                            |
| Result of voltage drop test   | Test passed                         |
| Temperature-rise test   | Test passed                         |
| Conductor cross section short circuit testing                                   | 1.5 mm <sup>2</sup>                 |
| Short-time current  | 0.18 kA                             |
| Short circuit stability result  | Test passed                         |
| Ageing test for screwless modular terminal block temperature cycles             | 192                                 |
| Result of aging test  | Test passed                         |
| 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 |

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### General

|   |  |
|---|--|
| 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            | 3.5 mm   |
| End cover width  | 0.8 mm   |
| Length           | 76.9 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>  |

# Knife disconnect terminal block - PT 1,5/S-QUATTRO-MT - 3210321

## 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. | 1 mm <sup>2</sup>    |
| Stripping length  | 8 mm ... 10 mm       |
| Internal cylindrical gage   | A1 / B1              |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 8.0 | 27141126 |

### ETIM

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

## Approvals

### Approvals


#### Approvals

UL Recognized / cUL Recognized / CSA / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |       |       |
|---|-------|-------|
| UL Recognized  |       |       |
|   | B     | C     |
| mm <sup>2</sup> /AWG/kcmil  | 26-16 | 26-16 |
| Nominal current I <sub>N</sub>  | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>  | 300 V | 300 V |

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## Approvals

|                                |       |       |
|--------------------------------|-------|-------|
| cUL Recognized                 |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 26-16 | 26-16 |
| Nominal current I <sub>N</sub> | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

|                                |       |       |
|--------------------------------|-------|-------|
| CSA                            |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 26-16 | 26-16 |
| Nominal current I <sub>N</sub> | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

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

## Drawings

Circuit diagram





## Стандарт Электрон Связь

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### Наши контакты:

**Телефон:** +7 812 627 14 35

**Электронная почта:** [sales@st-electron.ru](mailto:sales@st-electron.ru)

**Адрес:** 198099, Санкт-Петербург,  
Промышленная ул, дом № 19, литера Н,  
помещение 100-Н Офис 331