

Component terminal block - PT 2,5-TWIN-DIO/R-L - 3210253

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Component terminal block, with integrated 1N4007 diode, The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A., nom. voltage: 800 V, nominal current: 0.5 A, connection method: Push-in connection, number of connections: 3, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Your advantages

- ✓ 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 pc |
| GTIN | |
| GTIN | 4046356334563 |

Technical data

General

| | |
|--|--|
| Note | The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A. |
| Number of levels | 1 |
| Number of connections | 3 |
| Potentials | 1 |
| Nominal cross section | 2.5 mm ² |
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 8 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |

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Technical data

General

| | |
|---|-------------------------|
| Maximum power dissipation for nominal condition | 0.77 W |
| Designation | Level 1 above 1 below 1 |
| Maximum load current | 0.5 A |
| Nominal current I_N | 0.5 A |
| Nominal voltage U_N | 800 V |
| Open side panel | Yes |
| 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 |
| Behavior in fire for rail vehicles (DIN 5510-2) | Test passed |
| Flame test method (DIN EN 60695-11-10) | V0 |
| Oxygen index (DIN EN ISO 4589-2) | >32 % |
| NF F16-101, NF F10-102 Class I | 2 |
| NF F16-101, NF F10-102 Class F | 2 |
| Surface flammability NFPA 130 (ASTM E 162) | passed |
| Specific optical density of smoke NFPA 130 (ASTM E 662) | passed |
| Smoke gas toxicity NFPA 130 (SMP 800C) | passed |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 27,5 MJ/kg |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |

Dimensions

| | |
|------------------|---------|
| Width | 5.2 mm |
| End cover width | 2.2 mm |
| Length | 60.5 mm |
| Height NS 35/7,5 | 36.5 mm |
| Height NS 35/15 | 44 mm |

Connection data

| | |
|--|----------------------|
| Connection | 1 level |
| Connection method | Push-in connection |
| Stripping length | 8 mm ... 10 mm |
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 12 |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Min. AWG conductor cross section, flexible | 26 |

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Connection data

| | |
|---|----------------------|
| Max. AWG conductor cross section, flexible | 14 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.14 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.14 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm ² |
| Internal cylindrical gage | A3 |

Standards and Regulations

| | |
|--|-------------|
| Connection in acc. with standard | CSA |
| Flammability rating according to UL 94 | V0 |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
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Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

Drawings

Circuit diagram



Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

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Approvals

| | | | |
|--------------------|-------|---|-------|
| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| | B | C | |
| Nominal voltage UN | 300 V | 300 V | |
| Nominal current IN | 0.5 A | 0.5 A | |
| mm²/AWG/kcmil | 26-12 | 26-12 | |

| | | | |
|--------------------|-------|---|--------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| Nominal voltage UN | 300 V | 300 V | |
| Nominal current IN | 20 A | 20 A | |
| mm²/AWG/kcmil | 26-12 | 26-12 | |

| | | | |
|--------------------|-------|---|--------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| Nominal voltage UN | 300 V | 300 V | |
| Nominal current IN | 20 A | 20 A | |
| mm²/AWG/kcmil | 26-12 | 26-12 | |

| | | |
|-----|--|--------------------------|
| EAC | | RU C- DE.AI30.B.01102 |
|-----|--|--------------------------|

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

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