# Component terminal block - QTTCB 1,5-DIO/O-U - 3206241

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Component terminal block, with integrated diode, connection method: Quick connection, cross section: 0.25 mm² - 1.5 mm², AWG: 24 - 16, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

## Your advantages

- Ground terminal blocks of the same shape are available

## Key Commercial Data

| | |
|---|---|
| Packing unit | 50 pc |
| GTIN | 4 017918 936228 |
| GTIN | 4017918936228 |

## Technical data

### General

| | |
|---|---|
| Number of positions | 2 |
| Number of levels | 2 |
| Number of connections | 4 |
| Nominal cross section | 1.5 mm² |
| 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 power dissipation for nominal condition | 0.56 W (the value is multiplied when connecting multiple levels) |
| Designation | Level 1+2 above 1 below 1 |
| Maximum load current | 17.5 A (with 1.5 mm² conductor cross section) |
| Nominal current $I_N$ | 17.5 A |

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## Technical data

### General

| | |
|---|---|
| Nominal voltage $U_N$ | 500 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)) | 130 °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) | 28 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 | 99.6 mm |
| Height NS 35/7,5 | 49.9 mm |
| Height NS 35/15 | 57.4 mm |

### Connection data

| | |
|---|---|
| Connection | 1st and 2nd level |
| Connection method | Quick connection |
| Conductor cross section solid min. | 0.25 mm² |
| Conductor cross section solid max. | 1.5 mm² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 16 |
| Conductor cross section flexible min. | 0.25 mm² |
| Conductor cross section flexible max. | 1.5 mm² |
| Min. AWG conductor cross section, flexible | 24 |
| Max. AWG conductor cross section, flexible | 16 |
| Material wire insulation | PVC / PE |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 Cl.1-5 |

### Standards and Regulations

| | |
|---|---|
| Connection in acc. with standard | CSA |

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## Technical data

### Standards and Regulations

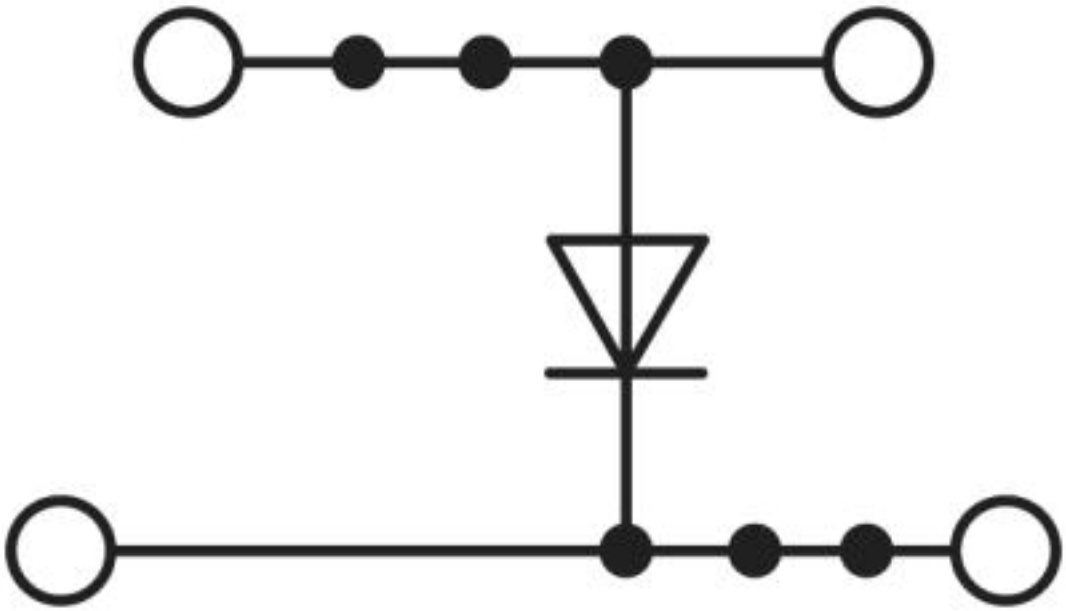
| | |
|---|---|
| Flammability rating according to UL 94 | V0 |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
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### Environmental Product Compliance

| | |
|---|---|
| | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration” |

## Drawings

Circuit diagram



## Approvals

### Approvals

Approvals

CSA / BV / LR / KR / NK / ABS / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

# Component terminal block - QTTCB 1,5-DIO/O-U - 3206241

## Approvals

### Approval details

| | | | |
|---|---|---|---|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |

| | B | C |
|---|---|---|
| Nominal voltage UN | 600 V | 600 V |
| Nominal current IN | 10 A | 10 A |
| mm²/AWG/kcmil | 24-16 | 24-16 |

| | | | |
|---|---|---|---|
| BV |  | http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials | 13637/B0 BV |

| | | | |
|---|---|---|---|
| LR |  | http://www.lr.org/en | 05/20042 |

| | | | |
|---|---|---|---|
| KR |  | http://www.krs.co.kr/eng/main/main.aspx | NAJ25486-EL003 |

| | | | |
|---|---|---|---|
| NK |  | http://www.classnk.or.jp/hp/en/ | 09 ME 139 |

| | | |
|---|---|---|
| ABS | http://www.eagle.org/eagleExternalPortalWEB/ | 16-HG1589079-PDA |

| | | | |
|---|---|---|---|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |

| | B | C | D |
|---|---|---|---|
| Nominal voltage UN | 300 V | 300 V | 600 V |
| Nominal current IN | 10 A | 10 A | 5 A |
| mm²/AWG/kcmil | 24-16 | 24-16 | 24-16 |

| | | | |
|---|---|---|---|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |

| | B | C | D |
|---|---|---|---|
| Nominal voltage UN | 300 V | 300 V | 600 V |
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## Approvals

| | B | C | D |
|---|---|---|---|
| mm²/AWG/kcmil | 24-16 | 24-16 | 24-16 |

EAC

RU C-DE.A*30.B.01742

cULus Recognized

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