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Component terminal block - PTME 6-DIO/L-R HV - 3035697

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Component terminal block, with integrated diode, Connection method: Push-in connection, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 10, Width: 8.2 mm, Color: gray

The figure shows a version of the article

Key Commercial Data

| | |
|--------------|---------------------|
| Packing unit | 50 STK |
| GTIN | 4 046356 644853 |

Technical data

General

| | |
|--|---|
| Note | If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them. |
| Number of levels | 1 |
| Number of connections | 2 |
| Nominal cross section | 6 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 |
| Maximum load current | 5 A (with 10 mm ² conductor cross section) |
| Nominal current I _N | 5 A |
| Nominal voltage U _N | 1000 V |
| Open side panel | Yes |
| Result of surge voltage test | Test passed |
| Surge voltage test setpoint | 9.8 kV |
| Result of power-frequency withstand voltage test | Test passed |
| Power frequency withstand voltage setpoint | 2.2 kV |

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Technical data

General

| | |
|---|--|
| Result of the test for mechanical stability of terminal points (5 x conductor connection) | Test passed |
| Result of bending test | Test passed |
| Bending test conductor cross section/weight | 0.5 mm ² / 0.3 kg |
| | 6 mm ² / 1.4 kg |
| | 10 mm ² / 2 kg |
| Tensile test result | Test passed |
| Conductor cross section tensile test | 0.5 mm ² |
| Tractive force setpoint | 20 N |
| Conductor cross section tensile test | 6 mm ² |
| Tractive force setpoint | 80 N |
| Conductor cross section tensile test | 10 mm ² |
| Tractive force setpoint | 90 N |
| Result of tight fit on support | Test passed |
| Tight fit on carrier | NS 35 |
| Setpoint | 5 N |
| Result of voltage-drop test | Test passed |
| 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 ²) ² /Hz |
| Acceleration | 3.12 g |
| Test duration per axis | 5 h |
| 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)) | 130 °C |
| Static insulating material application in cold | -60 °C |

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Technical data

Dimensions

| | |
|------------------|----------|
| Width | 8.2 mm |
| End cover width | 2.2 mm |
| Length | 100.8 mm |
| Height NS 35/7,5 | 60 mm |
| Height NS 35/15 | 67.5 mm |

Connection data

| | |
|---|---------------------|
| Connection method | Push-in connection |
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 10 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 8 |
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 6 mm ² |
| Min. AWG conductor cross section, flexible | 20 |
| Max. AWG conductor cross section, flexible | 10 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 6 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 6 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm ² |
| Stripping length | 12 mm |
| Internal cylindrical gage | A5 |

Standards and Regulations

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141121 |
| eCl@ss 4.1 | 27141121 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141127 |
| eCl@ss 8.0 | 27141127 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC000897 |
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Classifications

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC000902 |
| ETIM 5.0 | EC000903 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

Approvals

Approvals

Approvals


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


Ex Approvals

Approvals submitted

Approval details

| |
|-----|
| EAC |
|-----|

| | | |
|---|-------|-------|
| CSA  | | |
| | B | C |
| mm ² /AWG/kcmil | 20-8 | 20-8 |
| Nominal current I _N | 10 A | 10 A |
| Nominal voltage U _N | 600 V | 600 V |

| | | |
|---|------|------|
| UL Recognized  | | |
| | B | C |
| mm ² /AWG/kcmil | 20-8 | 20-8 |
| Nominal current I _N | 10 A | 10 A |

Component terminal block - PTME 6-DIO/L-R HV - 3035697

Approvals

| | B | C |
|--------------------|-------|-------|
| Nominal voltage UN | 600 V | 600 V |

| cUL Recognized | | |
|----------------------------|-------|-------|
| | B | C |
| mm ² /AWG/kcmil | 20-8 | 20-8 |
| Nominal current IN | 10 A | 10 A |
| Nominal voltage UN | 600 V | 600 V |

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

Drawings

Circuit diagram



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