



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Feed-through terminal block - UK 5 N WH - 3007327


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Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, connection method: Screw connection, number of connections: 2, cross section: 0.2 mm² - 6 mm², AWG: 24 - 10, width: 6.2 mm, color: white, mounting type: NS 35/7,5, NS 35/15, NS 32



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 50 STK |
| GTIN |  4 017918 371821 |
| GTIN | 4017918371821 |

Technical data

General

| | |
|---|---|
| Number of levels | 1 |
| Number of connections | 2 |
| Potentials | 1 |
| Nominal cross section | 4 mm ² |
| Color | white |
| 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 power dissipation for nominal condition | 1.02 W |
| Maximum load current | 41 A (with 6 mm ² conductor cross section) |
| Nominal current I _N | 32 A |
| Nominal voltage U _N | 800 V |
| Open side panel | Yes |
| Shock protection test specification | IEC 60529:2001-02 |

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Technical data

General

| | |
|---|------------------------------|
| Back of the hand protection | guaranteed |
| Finger protection | guaranteed |
| 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 kV |
| Result of the test for mechanical stability of terminal points (5 x conductor connection) | Test passed |
| Result of bending test | Test passed |
| Bending test rotation speed | 10 rpm |
| Bending test turns | 135 |
| Bending test conductor cross section/weight | 0.2 mm ² / 0.2 kg |
| | 4 mm ² / 0.9 kg |
| | 6 mm ² / 1.4 kg |
| Tensile test result | Test passed |
| Conductor cross section tensile test | 0.2 mm ² |
| Tractive force setpoint | 10 N |
| Conductor cross section tensile test | 4 mm ² |
| Tractive force setpoint | 60 N |
| Conductor cross section tensile test | 6 mm ² |
| Tractive force setpoint | 80 N |
| Result of tight fit on support | Test passed |
| Tight fit on carrier | NS 32/NS 35 |
| Setpoint | 5 N |
| Result of voltage-drop test | Test passed |
| Requirements, voltage drop | ≤ 3.2 mV |
| Result of temperature-rise test | Test passed |
| Short circuit stability result | Test passed |
| Conductor cross section short circuit testing | 4 mm ² |
| Short-time current | 0.48 kA |
| Result of thermal test | Test passed |
| Proof of thermal characteristics (needle flame) effective duration | 30 s |
| 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 |

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Technical data

General

| | |
|---|-------------|
| 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 | 6.2 mm |
| End cover width | 1.8 mm |
| Length | 42.5 mm |
| Height NS 35/7,5 | 47 mm |
| Height NS 35/15 | 54.5 mm |
| Height NS 32 | 52 mm |

Connection data

| | |
|---|----------------------|
| Connection method | Screw connection |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 6 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 10 |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 4 mm ² |
| Min. AWG conductor cross section, flexible | 24 |
| Max. AWG conductor cross section, flexible | 12 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 4 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm ² |
| Cross section with insertion bridge, solid max. | 4 mm ² |
| Cross section with insertion bridge, stranded max. | 4 mm ² |
| 2 conductors with same cross section, solid min. | 0.2 mm ² |
| 2 conductors with same cross section, solid max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded min. | 0.2 mm ² |
| 2 conductors with same cross section, stranded max. | 1.5 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. | 2.5 mm ² |

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Technical data

Connection data

| | |
|---|----------------------|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1.5 mm ² |
| Connection in acc. with standard | IEC/EN 60079-7 |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 6 mm ² |
| Conductor cross section AWG min. | 30 |
| Conductor cross section AWG max. | 10 |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 4 mm ² |
| Stripping length | 8 mm |
| Internal cylindrical gage | A4 |
| Screw thread | M3 |
| Tightening torque, min | 0.6 Nm |
| Tightening torque max | 0.8 Nm |

Standards and Regulations

| | |
|--|---|
| Connection in acc. with standard | CSA |
| | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0 |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 |

Environmental Product Compliance

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

Approvals

Approvals

Approvals

CSA / UL Recognized / KEMA-KEUR / cUL Recognized / IECEE CB Scheme / EAC / DNV GL / cULus Recognized


Ex Approvals


IECEX / ATEX / EAC Ex / UL Recognized / cUL Recognized / cULus Recognized


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Approvals


Approval details

| | | | |
|----------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 30 A | |
| mm ² /AWG/kcmil | | 28-10 | |

| | | | |
|----------------------------|---|---|--------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 30 A | |
| mm ² /AWG/kcmil | | 30-10 | |

| | | | |
|----------------------------|---|---|------------|
| KEMA-KEUR |  | http://www.dekra-certification.com | 2183462.01 |
| Nominal voltage UN | | 800 V | |
| mm ² /AWG/kcmil | | 4 | |

| | | | |
|----------------------------|---|---|--------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 30 A | 30 A | |
| mm ² /AWG/kcmil | 30-10 | 30-10 | |


| | | | |
|----------------------------|---|---|----------|
| IECEE CB Scheme |  | http://www.iecee.org/ | NL-26110 |
| Nominal voltage UN | | 800 V | |
| mm ² /AWG/kcmil | | 4 | |

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Approvals

| | | |
|-----|---|---------------|
| EAC |  | EAC-Zulassung |
|-----|---|---------------|

| | | |
|--------|---|------------|
| DNV GL | http://exchange.dnv.com/tari/ | TAE00001CT |
|--------|---|------------|

| | | |
|------------------|---|---|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm |
|------------------|---|---|

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