

Feed-through terminal block - USST 4 - 3070338

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Feed-through terminal block, Connection method: Screw connection with spring support, Cross section: 0.2 mm² - 6 mm², AWG: 24 - 10, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15, NS 32

Product Features

- Large-surface labeling option for every terminal point
- Universal foot for mounting on NS 32 and NS 35 DIN rails
- When combined with hook-type cable lugs, the spring-supported screw terminal blocks optimally meet the technical requirements of EATS 50-18
- The ISSBI ... isolator bridge bars support switchable cross connections with IS Here the screw has the function of a live contact.
- The USST ... modular terminal blocks were specifically developed for use in the field of power supply

Key commercial data

| | |
|------------------|---------------|
| package_quantity | 50 |
| GTIN | 4046356543095 |

Technical data

General

| | |
|---|------|
| Number of levels | 1 |
| Number of connections | 2 |
| Color | gray |
| Insulating material | PA |
| Inflammability class according to UL 94 | V0 |

General

| | |
|-------------------------------------|---|
| Maximum load current | 41 A (with 6 mm ² conductor cross section) |
| Rated surge voltage | 6 kV |
| Pollution degree | 3 |
| Surge voltage category | III |
| Insulating material group | I |
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal current I _N | 32 A |
| Nominal voltage U _N | 500 V |
| Open side panel | ja |
| Shock protection test specification | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection | guaranteed |

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Technical data

General

| | |
|---|---|
| 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 | 0.2 mm ² / 0.2 kg |
| Bending test conductor cross section/weight | 4 mm ² / 0.9 kg |
| Bending test conductor cross section/weight | 6 mm ² / 1.4 kg |
| Bending test conductor cross section/weight | 2.5 mm ² / 0.7 kg |
| Result of bending test | 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 | 50 N |
| Conductor cross section tensile test | 6 mm ² |
| Tractive force setpoint | 80 N |
| Conductor cross section tensile test | 1.5 mm ² |
| Tractive force setpoint | 40 N |
| Tensile test result | Test passed |
| Tight fit on carrier | NS 32/NS 35 |
| Setpoint | 1 N |
| Result of tight fit test | Test passed |
| Requirements, voltage drop | ≤ 3.2 mV |
| Result of voltage drop test | Test passed |
| Temperature-rise test | Test passed |
| Conductor cross section short circuit testing | 4 mm ² |
| Short-time current | 0.48 kA |
| Conductor cross section short circuit testing | 6 mm ² |
| Short-time current | 0.72 kA |
| Short circuit stability result | 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 |
| Test spectrum | Service life test category 1, class B, body mounted |
| Test frequency | f ₁ = 5 Hz to f ₂ = 150 Hz |
| ASD level | 0.02 g ² /Hz |
| Acceleration | 0.8 g |

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Technical data

General

| | |
|---|-------------------------------------|
| 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 | 5 g |
| Shock duration | 30 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)) | 130 °C |

Dimensions

| | |
|------------------|---------|
| Width | 6.2 mm |
| Length | 52 mm |
| Height NS 35/7,5 | 57.3 mm |
| Height NS 35/15 | 64.8 mm |
| Height NS 32 | 62.3 mm |

Connection data

| | |
|---|----------------------|
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 6 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 10 |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 4 mm ² |
| Min. AWG conductor cross section, stranded | 24 |
| Max. AWG conductor cross section, stranded | 12 |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 4 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 2.5 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 method | Screw connection with spring support |
| Stripping length | 10 mm |
| Internal cylindrical gage | A4 |
| Screw thread | M3 |
| Tightening torque, min | 0.6 Nm |
| Tightening torque max | 0.8 Nm |

classifications

eCl@ss

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

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

UNSPSC

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

approvals

UL Recognized / cUL Recognized / cULus Recognized /

Approval details

| |
|---|
|  |
|---|

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approvals

| Usegroups | B | C | D |
|----------------------------|-------|-------|-------|
| Nominal voltage UN | 300 V | 300 V | 600 V |
| Nominal current IN | 30 A | 30 A | 5 A |
| mm ² /AWG/kcmil | 24-10 | 24-10 | 24-10 |

cUL Recognized

| Usegroups | B | C | D |
|----------------------------|-------|-------|-------|
| Nominal voltage UN | 300 V | 300 V | 600 V |
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| mm ² /AWG/kcmil | 24-10 | 24-10 | 24-10 |

cULus Recognized

accessories

End cover

D-USST 4/10 - 3070370



Partition plate

TS-USST 4/10 - 3070383



Partition plate

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accessories

TPNS-UK - 0706647



Screwdriver tools

SZS 0,6X3,5 - 1205053



Connector

C-BCI 1,5/2,8 - 3240015



Crimping tool

CRIMPFOX-RCI 6 - 1212057



Insulating sleeve

IS-K 4 - 1302338



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accessories

ISSBI 10- 6 - 0301505



Bridge

FBI 2- 6 - 0203438



FBI 10- 6 - 0203250



FBI 20- 6 - 0201867



STL 10N/5N - 0204110



Mounting rail

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accessories

NS 32 PERF 2000MM - 1201002



NS 32 UNPERF 2000MM - 1201015



NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



NS 35/ 7,5 WH PERF 2000MM - 1204119



NS 35/ 7,5 WH UNPERF 2000MM - 1204122



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accessories

NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421



NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



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accessories

NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



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accessories

NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



NS 35/15-2,3 UNPERF 2000MM - 1201798



Terminal marking

ZB 6:UNBEDRUCKT - 1051003



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accessories

UC-TM 6 - 0818085



UCT-TM 6 - 0828736



Labeled terminal marker

ZB 6 CUS - 0824992



UC-TM 6 CUS - 0824589



UCT-TM 6 CUS - 0829602



End block

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accessories

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



E/UK 1 - 1201413



Test socket

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accessories

PSBJ 3/13/4 - 0201304



PSB 3/10/4 - 0601292



Drawings

Circuit diagram



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