

Double-level spring-cage terminal block - STTBS 4 - 3035056

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Double-level spring-cage terminal block, Cross section: 0.08 mm² - 6 mm², AWG: 28 - 10, Connection type: Spring-cage connection, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

- Two large-surface labeling options



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 17.93 g |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

General

| | |
|--|-------------------|
| Number of levels | 2 |
| Number of connections | 4 |
| Nominal cross section | 4 mm ² |
| 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 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal current I _N | 28 A |

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Technical data

General

| | |
|---|---|
| Maximum load current | 34 A (with 4 mm ² conductor cross section) |
| Nominal voltage U _N | 500 V |
| Open side panel | Yes |
| Shock protection test specification | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection | guaranteed |
| Finger protection | guaranteed |
| Result of surge voltage test | Test passed |
| Surge voltage test setpoint | 7.3 kV |
| Result of power-frequency withstand voltage test | Test passed |
| Power frequency withstand voltage setpoint | 1.89 kV |
| Checking the 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 | 0.08 mm ² / 0.1 kg |
| | 4 mm ² / 0.9 kg |
| | 6 mm ² / 1.4 kg |
| Tensile test result | Test passed |
| Conductor cross section tensile test | 0.08 mm ² |
| Tractive force setpoint | 5 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 35 |
| Setpoint | 1 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 |
| Conductor cross section short circuit testing | 6 mm ² |
| Short-time current | 0.72 kA |
| Result of aging test | Test passed |

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Technical data

General

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

Dimensions

| | |
|------------------|---------|
| Width | 6.2 mm |
| Length | 92.4 mm |
| Height NS 35/7,5 | 55 mm |
| Height NS 35/15 | 62.5 mm |

Connection data

| | |
|--|------------------------|
| Connection method | Spring-cage connection |
| Conductor cross section solid min. | 0.08 mm ² |
| Conductor cross section solid max. | 6 mm ² |
| Conductor cross section flexible min. | 0.08 mm ² |
| Conductor cross section flexible max. | 4 mm ² |
| Conductor cross section AWG min. | 28 |
| Conductor cross section AWG max. | 10 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.14 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. | 0.14 mm ² |

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Technical data

Connection data

| | |
|---|---------------------|
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 4 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 mm ² |
| Stripping length | 8 mm ... 10 mm |

Standards and Regulations

| | |
|--|---------------|
| Connection in acc. with standard | CSA |
| | IEC 60947-7-1 |
| 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 | 27141120 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000897 |
| 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

Approvals

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Approvals

Approvals

UL Recognized / cUL Recognized / LR / GL / BV / RS / ABS / KR / NK / VDE Gutachten mit Fertigungsüberwachung / CSA / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

| | B | C | D |
|----------------------------|-------|-------|-------|
| mm ² /AWG/kcmil | 28-10 | 28-10 | 28-10 |
| Nominal current IN | 30 A | 30 A | 5 A |
| Nominal voltage UN | 300 V | 300 V | 600 V |

cUL Recognized

| | B | C | D |
|----------------------------|-------|-------|-------|
| mm ² /AWG/kcmil | 28-10 | 28-10 | 28-10 |
| Nominal current IN | 30 A | 30 A | 5 A |
| Nominal voltage UN | 300 V | 300 V | 600 V |

LR

GL

BV

RS


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Approvals


ABS

KR

NK

VDE Gutachten mit Fertigungsüberwachung 


| | |
|--------------------------------|---------|
| mm ² /AWG/kcmil | 0.2-4.0 |
| Nominal current I _N | 32 A |
| Nominal voltage U _N | 500 V |

CSA 

| | B | C | D |
|--------------------------------|-------|-------|-------|
| mm ² /AWG/kcmil | 28-10 | 28-10 | 28-10 |
| Nominal current I _N | 30 A | 30 A | 5 A |
| Nominal voltage U _N | 300 V | 300 V | 600 V |

EAC

EAC

cULus Recognized 

Drawings

Circuit diagram

