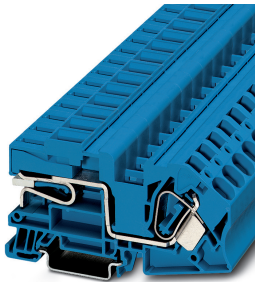


N disconnect terminal block - STN 16 - 3038286

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



N disconnect terminal block, Spring-cage connection, cross section: 0.2 mm² - 25 mm², AWG: 24 - 4, width: 12 mm, color: blue, mounting type: NS 35/15, NS 35/7,5

Your advantages

- ✓ The N disconnect slides are located in the same position on all Phoenix Contact screw and spring-cage installation terminal blocks



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 899783 |
| GTIN | 4017918899783 |
| Weight per Piece (excluding packing) | 43.280 g |
| Custom tariff number | 85369010 |
| Country of origin | Romania |

Technical data

General

| | |
|-----------------------|--|
| Note | Assembly instructions: For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. |
| Number of levels | 1 |
| Number of connections | 2 |
| Nominal cross section | 16 mm² |
| Color | blue |
| Insulating material | PA |

N disconnect terminal block - STN 16 - 3038286

Technical data

General

| | |
|---|--|
| Flammability rating according to UL 94 | V0 |
| Maximum load current | 76 A (with 25 mm ² conductor cross section) |
| Current carrying capacity of the neutral busbar | 140 A |
| Rated surge voltage | 6 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum power dissipation for nominal condition | 2.43 W |
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal current I _N | 76 A |
| Maximum load current | 76 A (with 25 mm ² conductor cross section) |
| Nominal voltage U _N | 400 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 |
| Result of power-frequency withstand voltage test | Test passed |
| Power frequency withstand voltage setpoint | 1.89 kV |
| Result of the test for mechanical stability of terminal points (5 x conductor connection) | Test passed |
| Result of flexion and pull-out test | Test passed |
| Bending test rotation speed | 10 (+/- 2) rpm |
| Bending test turns | 135 |
| Bending test conductor cross section/weight | 0.2 mm ² / 0.2 kg |
| | 16 mm ² / 2.9 kg |
| | 25 mm ² / 4.5 kg |
| Short circuit stability result | Test passed |
| Conductor cross section short circuit testing | 16 mm ² |
| Short-time current | 7.6 kA |
| 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 |
| Test specification, oscillation, broadband noise | DIN EN 50155 (VDE 0115-200):2018-05 |
| 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)/Hz |

N disconnect terminal block - STN 16 - 3038286

Technical data

General

| | |
|--------------------------------|-----------------------------------|
| Acceleration | 3.12 g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Shock form | Semi-sinusoidal |
| Acceleration | 30g |
| Shock duration | 18 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |

Dimensions

| | |
|------------------|---------|
| Width | 12 mm |
| End cover width | 2 mm |
| Length | 95 mm |
| Height NS 35/7,5 | 50 mm |
| Height NS 35/15 | 57.5 mm |

Connection data

| | |
|--|------------------------|
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 25 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 16 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 4 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 16 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. | 16 mm ² |
| 2 conductors with same cross section, solid min. | 0.2 mm ² |
| 2 conductors with same cross section, solid max. | 6 mm ² |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum | 1.5 mm ² |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 4 mm ² |
| Connection method | Spring-cage connection |
| Stripping length | 18 mm |
| Internal cylindrical gage | A7 |

Ambient conditions

| | |
|---|---|
| Operating temperature | -60 °C ... 85 °C |
| Ambient temperature (storage/transport) | -25 °C ... 55 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |

N disconnect terminal block - STN 16 - 3038286

Technical data

Ambient conditions

| | |
|--|-----------------|
| Permissible humidity (storage/transport) | 30 % ... 70 % |
| Ambient temperature (assembly) | -5 °C ... 70 °C |

Standards and Regulations

| | |
|--|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Circuit diagram



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27141138 |
| eCl@ss 11.0 | 27141138 |
| eCl@ss 4.0 | 27141100 |
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27141100 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141138 |
| eCl@ss 9.0 | 27141138 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001329 |
| ETIM 3.0 | EC001329 |
| ETIM 4.0 | EC001329 |
| ETIM 6.0 | EC001257 |
| ETIM 7.0 | EC001257 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |

N disconnect terminal block - STN 16 - 3038286

Classifications

UNSPSC

| | |
|--------------|----------|
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |
| UNSPSC 18.0 | 39121410 |
| UNSPSC 19.0 | 39121410 |
| UNSPSC 20.0 | 39121410 |
| UNSPSC 21.0 | 39121410 |

Approvals


Approvals

Approvals


EAC / EAC / EAC

Ex Approvals

Approval details

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

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

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.BL08.B.00644 |
|-----|---|--------------------------|