

## N disconnect terminal block - STN 35 - 3038299

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N disconnect terminal block, Spring-cage connection, cross section: 2.5 mm<sup>2</sup> - 35 mm<sup>2</sup>, AWG: 14 - 2, width: 16 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

RoHS

### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 10 pc   |
| GTIN         | <br>4 017918 899790 |
| GTIN         | 4017918899790   |

### Technical data

#### General

|   |  |
|---|--|
| Note  | Assembly instructions:<br>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                           | 35 mm <sup>2</sup>   |
| Color   | blue   |
| Insulating material                             | PA   |
| Flammability rating according to UL 94          | V0   |
| Maximum load current                            | 125 A (with 35 mm <sup>2</sup> conductor cross section)  |
| Rated surge voltage                             | 6 kV   |
| Degree of pollution                             | 3  |
| Overvoltage category                            | III  |
| Insulating material group                       | I  |
| Maximum power dissipation for nominal condition | 4.06 W   |

# N disconnect terminal block - STN 35 - 3038299

## Technical data

### General

|                                  |   |
|----------------------------------|---|
| Connection in acc. with standard | IEC 60947-7-1   |
| Nominal current $I_N$            | 125 A   |
| Maximum load current             | 125 A (with 35 mm <sup>2</sup> conductor cross section) |
| Nominal voltage $U_N$            | 400 V   |
| Open side panel                  | No  |
| Disconnect slide, screw thread   | M5  |
| Tightening torque, min           | 2.5 Nm  |
| Tightening torque max            | 3 Nm  |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 16 mm   |
| Length           | 92 mm   |
| Height NS 35/7,5 | 59 mm   |
| Height NS 35/15  | 66.5 mm |

### Connection data

|  |                        |
|--|------------------------|
| Conductor cross section solid min.   | 2.5 mm <sup>2</sup>    |
| Conductor cross section solid max.   | 35 mm <sup>2</sup>     |
| Conductor cross section flexible min.                                      | 2.5 mm <sup>2</sup>    |
| Conductor cross section flexible max.                                      | 35 mm <sup>2</sup>     |
| Conductor cross section AWG min.   | 14                     |
| Conductor cross section AWG max.   | 2                      |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 2.5 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 35 mm <sup>2</sup>     |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 2.5 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 35 mm <sup>2</sup>     |
| Connection method  | Spring-cage connection |
| Stripping length   | 25 mm                  |

### 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

## N disconnect terminal block - STN 35 - 3038299

Circuit diagram



### Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141125 |
| eCl@ss 4.1 | 27141125 |
| eCl@ss 5.0 | 27141125 |
| eCl@ss 5.1 | 27141100 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141138 |

ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001329 |
| ETIM 3.0 | EC001329 |
| ETIM 4.0 | EC001329 |
| ETIM 5.0 | EC001257 |
| ETIM 6.0 | EC001257 |

UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |
| UNSPSC 19.0   | 39121410 |

### Accessories

Accessories

Cover profile

Cover profile - AP-NLS - 5037133



Cover profile, length: 1000 mm, color: transparent

DIN rail

## N disconnect terminal block - STN 35 - 3038299

### Accessories

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

## N disconnect terminal block - STN 35 - 3038299

### Accessories

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

End cap - NS 35/ 7,5 CAP - 1206560



DIN rail end piece, for DIN rail NS 35/7.5

### Documentation

Mounting material - ST-IL - 3039900



Operating decal for the ST terminal block

### End block

## N disconnect terminal block - STN 35 - 3038299

### Accessories

End clamp - E/AL-NS 35 - 1201662



End clamp, for end support of UKH 50 to UKH 240, is pushed onto DIN rail NS 35 and fixed with 2 screws, width: 10 mm, color: aluminum

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### Labeled terminal marker

Zack Marker strip, flat - ZBF 8 CUS - 0825030



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

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Zack Marker strip, flat - ZBF 8,LGS:FORTL.ZAHLEN - 0808804



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 101 ... 110, mounting type: snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

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Marker for terminal blocks - UC-TMF 8 CUS - 0824654



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 5.1 mm, Number of individual labels: 56

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Marker for terminal blocks - UCT-TMF 8 CUS - 0829672



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 8.2 mm, lettering field size: 7.4 x 4.7 mm, Number of individual labels: 42

## N disconnect terminal block - STN 35 - 3038299

### Accessories

#### Zack marker strip - ZB 10 CUS - 0824941



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 10

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#### Zack marker strip - ZB10,LGS:FORTL.ZAHLEN - 1053014



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 10

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#### Zack marker strip - ZB10,QR:FORTL.ZAHLEN - 1053027



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 10

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#### Marker for terminal blocks - ZB10,LGS:L1-N,PE - 1053412



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 10

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#### Marker for terminal blocks - ZB10,LGS:U-N - 1053438



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Horizontal: U, V, W, N, GND, U, V, W, N, GND, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 10

## N disconnect terminal block - STN 35 - 3038299

### Accessories

#### Marker for terminal blocks - UC-TM 10 CUS - 0824605



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 9.6 x 10.5 mm, Number of individual labels: 48

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#### Marker for terminal blocks - UCT-TM 10 CUS - 0829623



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 8.9 x 9.6 mm, Number of individual labels: 36

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### Neutral conductor rail

#### Neutral busbar - NLS-CU 3/10 SN 1000MM - 0402174



Neutral busbar, width: 10 mm, height: 3 mm, DIN VDE 0611-4: 1991-02, material: Copper, tin-plated, length: 1000 mm, color: silver

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### Screwdriver tools

#### Screwdriver - SZF 3-1,0X5,5 - 1206612



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 1.0 x 5.5 x 150 mm, 2-component grip, with non-slip grip

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### Support

#### Support bracket - AB-STI 16/10 - 3037669



Support bracket, Bracket for busbars, set every 20 cm, pitch: 200 mm, length: 95 mm, width: 2 mm, height: 49 mm, number of positions: 1, color: blue

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### Terminal marking



## N disconnect terminal block - STN 35 - 3038299

### Accessories

#### Zack Marker strip, flat - ZBF 8:UNBEDRUCKT - 0808781



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

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#### Marker for terminal blocks - UC-TMF 8 - 0818137



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 5.1 mm, Number of individual labels: 56

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#### Marker for terminal blocks - UCT-TMF 8 - 0828748



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 8.2 mm, lettering field size: 7.4 x 4.7 mm, Number of individual labels: 42

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#### Zack marker strip - ZB 10:UNBEDRUCKT - 1053001



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 10.5 x 10.15 mm, Number of individual labels: 10

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#### Marker for terminal blocks - UC-TM 10 - 0818069



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 9.6 x 10.5 mm, Number of individual labels: 48

## N disconnect terminal block - STN 35 - 3038299

### Accessories

#### Marker for terminal blocks - UCT-TM 10 - 0829142



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 8.9 x 9.6 mm, Number of individual labels: 36

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### Additional products

#### Connection terminal block - AKG 16 BU - 0423014



Connection terminal block, connection method: Screw connection, load current: 76 A, cross section: 1.5 mm<sup>2</sup> - 16 mm<sup>2</sup>, width: 9.8 mm, color: blue

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#### Connection terminal block - AKG 35 BU - 0424013



Connection terminal block, connection method: Screw connection, load current: 125 A, cross section: 2.5 mm<sup>2</sup> - 35 mm<sup>2</sup>, width: 14.3 mm, color: blue

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#### Branch terminal - IAK 16 - 2715982



Branch terminal, connection method: Screw connection, load current: 76 A, cross section: 0.5 mm<sup>2</sup> - 16 mm<sup>2</sup>, width: 7.7 mm, color: gray

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#### Branch terminal - IAK 16 - 2715982



Branch terminal, connection method: Screw connection, load current: 76 A, cross section: 0.5 mm<sup>2</sup> - 16 mm<sup>2</sup>, width: 7.7 mm, color: gray

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