

## Ground modular terminal block - UK 35-1-PE/N - 3008067

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PE/N block, with screw connection, consisting of a green-yellow ground terminal block, a blue modular terminal block with screw bridge, terminal screw, and M6 bridge screw, tightening torque: 3.2 Nm - 3.7 Nm, M5 mounting screw, tightening torque: 2.5 Nm - 3.0 Nm

The illustration shows version UK 35 PE/N



### Key commercial data

|                                      |            |
|--------------------------------------|------------|
| Packing unit                         | 1 1        |
| Weight per Piece (excluding packing) | 155.97 GRM |
| Custom tariff number                 | 85369010   |
| Country of origin                    | Germany    |

### Technical data

#### General

|                                         |                                                                                                                                                                                                                                          |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note                                    | The NS 32... or NS 35... Cu DIN rail should be used for a connection cross section of 35 mm <sup>2</sup> /2 AWG. When aligned with a feed-through terminal block of the same shape, a cover must be used at insulation voltages > 630 V. |
| Number of levels                        | 1                                                                                                                                                                                                                                        |
| Number of connections                   | 4                                                                                                                                                                                                                                        |
| Color                                   | green-yellow-blue                                                                                                                                                                                                                        |
| Insulating material                     | PA                                                                                                                                                                                                                                       |
| Inflammability class according to UL 94 | V0                                                                                                                                                                                                                                       |
| Maximum load current                    | 125 A (with 35 mm <sup>2</sup> conductor cross section)                                                                                                                                                                                  |
| Rated surge voltage                     | 8 kV                                                                                                                                                                                                                                     |
| Pollution degree                        | 3                                                                                                                                                                                                                                        |
| Surge voltage category                  | III                                                                                                                                                                                                                                      |
| Insulating material group               | I                                                                                                                                                                                                                                        |
| Connection in acc. with standard        | IEC 60947-7-1 / IEC 60947-7-2                                                                                                                                                                                                            |

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## Technical data

### General

|                                                                                 |                                                                                                                           |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Nominal current $I_N$                                                           | 125 A                                                                                                                     |
| Nominal voltage $U_N$                                                           | 630 V (When aligned with a modular terminal block of the same shape, a separating disk must be used at voltages > 630 V.) |
| Open side panel                                                                 | nein                                                                                                                      |
| Surge voltage test setpoint                                                     | 9.8 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                                     | 0.75 mm <sup>2</sup> / 0.4 kg                                                                                             |
|                                                                                 | 35 mm <sup>2</sup> / 6.8 kg                                                                                               |
| Result of bending test                                                          | Test passed                                                                                                               |
| Conductor cross section tensile test                                            | 0.75 mm <sup>2</sup>                                                                                                      |
| Tractive force setpoint                                                         | 30 N                                                                                                                      |
| Conductor cross section tensile test                                            | 35 mm <sup>2</sup>                                                                                                        |
| Tractive force setpoint                                                         | 190 N                                                                                                                     |
| Tensile test result                                                             | Test passed                                                                                                               |
| Tight fit on carrier                                                            | NS 35                                                                                                                     |
| Setpoint                                                                        | 10 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                                   | 35 mm <sup>2</sup>                                                                                                        |
| Short-time current                                                              | 4.2 kA                                                                                                                    |
| Short circuit stability result                                                  | Test passed                                                                                                               |
| Proof of thermal characteristics (needle flame) effective duration              | 30 s                                                                                                                      |
| Result of thermal test                                                          | Test passed                                                                                                               |
| Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))           | 125 °C                                                                                                                    |
| Static insulating material application in cold                                  | -60 °C                                                                                                                    |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 30.1 mm |
| Length           | 50 mm   |
| Height NS 35/7,5 | 62 mm   |

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### Dimensions

|                 |         |
|-----------------|---------|
| Height NS 35/15 | 69.5 mm |
| Height NS 32    | 67 mm   |

### Connection data

| Note                                                                                    | Terminal point       |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.75 mm <sup>2</sup> |
| Conductor cross section solid max.                                                      | 35 mm <sup>2</sup>   |
| Conductor cross section stranded min.                                                   | 0.75 mm <sup>2</sup> |
| Conductor cross section stranded max.                                                   | 35 mm <sup>2</sup>   |
| Conductor cross section AWG/kcmil min.                                                  | 18                   |
| Conductor cross section AWG/kcmil max                                                   | 2                    |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.75 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 35 mm <sup>2</sup>   |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.75 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 35 mm <sup>2</sup>   |
| 2 conductors with same cross section, solid min.                                        | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 16 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded min.                                     | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 10 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 10 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm <sup>2</sup>    |
| Connection method                                                                       | Screw connection     |
| Screw thread                                                                            | M6                   |
| Tightening torque, min                                                                  | 3.2 Nm               |
| Tightening torque max                                                                   | 3.7 Nm               |

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141118 |
| eCl@ss 4.1 | 27141118 |
| eCl@ss 5.0 | 27141118 |
| eCl@ss 5.1 | 27141118 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27141141 |
| eCl@ss 7.0 | 27141141 |
| eCl@ss 8.0 | 27141141 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000901 |
| ETIM 3.0 | EC000901 |
| ETIM 4.0 | EC000901 |
| ETIM 5.0 | EC000901 |

#### UNSPSC

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

### Approvals

#### Approvals

Approvals

GOST / GOST

Ex Approvals

Approvals submitted

#### Approval details

|                                                                                          |
|------------------------------------------------------------------------------------------|
| GOST  |
|------------------------------------------------------------------------------------------|

## Ground modular terminal block - UK 35-1-PE/N - 3008067

### Approvals



### Accessories

#### Accessories

##### Labeled terminal marker

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: 10.15 x 10.5 mm

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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: 9.6 x 10.5 mm

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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: 8.9 x 9.6 mm

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### Mounting rail

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



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

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### Accessories

#### Partition plate

Separating plate - TS-K - 1302215



Separating plate, Length: 22 mm, Height: 22 mm, Color: gray

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#### Terminal marking

Marker cards - SBS10:UNBEDRUCKT - 1007248



Marker cards, Card, white, Unlabeled, Can be labeled with: Plotter, Perforated, Mounting type: Snap into tall marker groove, Snap into flat marker groove, For terminal block width: 10 mm, Lettering field: 6 x 10.1 mm

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Zack marker strip - ZB 10:UNBEDRUCKT - 1053001



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 10.2 mm, Lettering field: 10.5 x 10.15 mm

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Marker for terminal blocks - UC-TM 10 - 0818069



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 10.2 mm, Lettering field: 9.6 x 10.5 mm

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Marker for terminal blocks - UCT-TM 10 - 0829142



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: THERMOMARK CARD PLUS, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, Mounting type: Snap into tall marker groove, For terminal block width: 10.2 mm, Lettering field: 8.9 x 9.6 mm

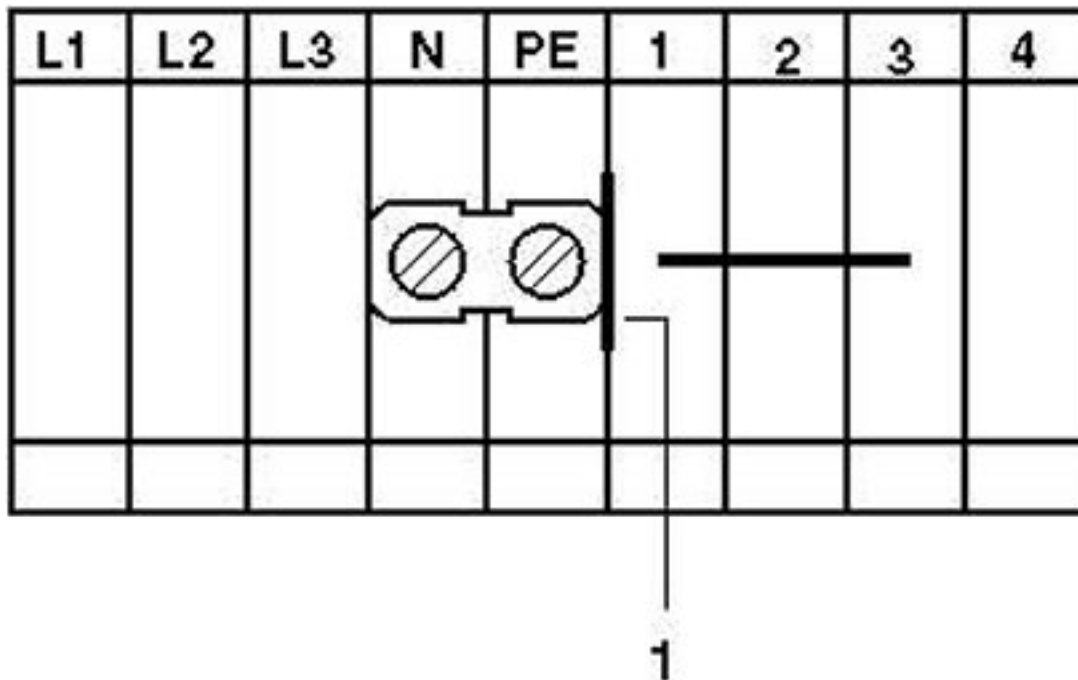
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### Accessories

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### Drawings

Circuit diagram



1 = separating plate

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- Поставка сложных, дефицитных, либо снятых с производства позиций;
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