

## Fuse modular terminal block - USED 27 N - 3048373

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Fuse terminal blocks for DIAZED fuse inserts

### Your advantages

- ✓ Original DIAZED®-E 27 threads are used in closed housing
- ✓ The major advantage of the DIAZED® system is its dielectric strength of up to 500 V
- ✓ Conductor cross sections of up to 35 mm² can be connected with the user-friendly spring-cage connection
- ✓ This fuse terminal block accommodates DIAZED® fuses

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 5 pc                                                                                                    |
| GTIN         | <br>4 017918 976286 |
| GTIN         | 4017918976286                                                                                           |

### Technical data

#### General

|                                                 |                 |
|-------------------------------------------------|-----------------|
| Number of levels                                | 1               |
| Number of connections                           | 2               |
| Nominal cross section                           | 35 mm²          |
| Color                                           | light gray      |
| Insulating material                             | Duroplast       |
| Flammability rating according to UL 94          | V0              |
| Maximum power dissipation for nominal condition | 4.06 W          |
| Fuse                                            | D II / E 27     |
| Fuse type                                       | Screw cartridge |
| Rated surge voltage                             | 6 kV            |
| Degree of pollution                             | 3               |
| Overvoltage category                            | III             |

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## Technical data

### General

|                                                                         |                                                        |
|-------------------------------------------------------------------------|--------------------------------------------------------|
| Insulating material group                                               | IIIb                                                   |
| Maximum load current                                                    | 25 A (with 35 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>                                          | 25 A (the current is determined by the fuse used)      |
| Nominal voltage U <sub>N</sub>                                          | 500 V (the voltage is determined by the fuse used)     |
| Open side panel                                                         | No                                                     |
| Shock protection test specification                                     | DIN EN 50274 (VDE 0660-514):2002-11                    |
| Back of the hand protection                                             | guaranteed                                             |
| Finger protection                                                       | guaranteed                                             |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 165 °C                                                 |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 40 mm   |
| Length           | 80 mm   |
| Pitch            | 40 mm   |
| Height NS 35/7,5 | 62.5 mm |
| Height NS 35/15  | 70 mm   |

### Ambient conditions

|                                          |                                                                        |
|------------------------------------------|------------------------------------------------------------------------|
| Ambient temperature (operation)          | -60 °C ... 85 °C                                                       |
| Ambient temperature (storage/transport)  | -25 °C ... 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C) |
| Permissible humidity (storage/transport) | 30 % ... 70 %                                                          |
| Ambient temperature (assembly)           | -5 °C ... 70 °C                                                        |
| Ambient temperature (actuation)          | -5 °C ... 70 °C                                                        |

### Connection data

|                                                                            |                     |
|----------------------------------------------------------------------------|---------------------|
| Conductor cross section solid min.                                         | 1.5 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 35 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 1.5 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 35 mm <sup>2</sup>  |
| Conductor cross section AWG min.                                           | 16                  |
| Conductor cross section AWG max.                                           | 2                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 1.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 25 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 1.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 25 mm <sup>2</sup>  |
| Cross section with insertion bridge, solid max.                            | 25 mm <sup>2</sup>  |
| Cross section with insertion bridge, stranded max.                         | 25 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid min.                           | 1.5 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                           | 10 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                        | 1.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                        | 10 mm <sup>2</sup>  |

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### Technical data

#### Connection data

|                                                                                                        |                     |
|--------------------------------------------------------------------------------------------------------|---------------------|
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum  | 1.5 mm <sup>2</sup> |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum  | 10 mm <sup>2</sup>  |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum | 1.5 mm <sup>2</sup> |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 10 mm <sup>2</sup>  |
| Cross section with insertion bridge, solid max.                                                        | 25 mm <sup>2</sup>  |
| Cross section with insertion bridge, stranded max.                                                     | 25 mm <sup>2</sup>  |
| Connection method                                                                                      | Screw connection    |
| Stripping length                                                                                       | 19 mm               |
| Internal cylindrical gage                                                                              | B8                  |
| Screw thread                                                                                           | M6                  |
| Tightening torque, min                                                                                 | 3.5 Nm              |
| Tightening torque max                                                                                  | 4 Nm                |

#### Standards and Regulations

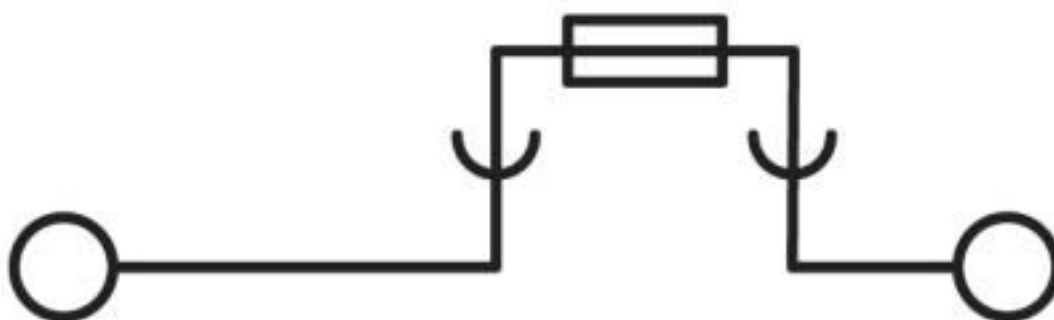
|                                        |    |
|----------------------------------------|----|
| Flammability rating according to UL 94 | V0 |
|----------------------------------------|----|

#### 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 | 27141116 |
| eCl@ss 4.0    | 27141100 |
| eCl@ss 4.1    | 27141100 |
| eCl@ss 5.0    | 27141100 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27141100 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141116 |
| eCl@ss 8.0 | 27141116 |
| eCl@ss 9.0 | 27141116 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000899 |
| ETIM 3.0 | EC000899 |
| ETIM 4.0 | EC000899 |
| ETIM 5.0 | EC000899 |
| ETIM 6.0 | EC000899 |
| ETIM 7.0 | EC000899 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211812 |
| UNSPSC 7.0901 | 39121411 |
| UNSPSC 11     | 39121411 |
| UNSPSC 12.01  | 39121411 |
| UNSPSC 13.2   | 39121410 |
| UNSPSC 18.0   | 39121410 |
| UNSPSC 19.0   | 39121410 |
| UNSPSC 20.0   | 39121410 |
| UNSPSC 21.0   | 39121410 |

### Approvals

#### Approvals

Approvals

EAC / RS / EAC

Ex Approvals

#### Approval details

|     |            |               |
|-----|------------|---------------|
| EAC | <b>EAC</b> | EAC-Zulassung |
|-----|------------|---------------|

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### Approvals

|    |                                                                                   |                                                                                             |              |
|----|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------|
| RS |  | <a href="http://www.rs-head.spb.ru/en/index.php">http://www.rs-head.spb.ru/en/index.php</a> | 17.00013.272 |
|----|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------|

|     |                                                                                   |  |                          |
|-----|-----------------------------------------------------------------------------------|--|--------------------------|
| EAC |  |  | RU C-<br>DE.BL08.B.00534 |
|-----|-----------------------------------------------------------------------------------|--|--------------------------|

### Accessories

#### Accessories

##### DIN rail

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

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### Accessories

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

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

End block

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### Accessories

End clamp - E/UK - 1201442



End clamp, width: 9.5 mm, height: 35.3 mm, material: PA, length: 50.5 mm, Mounting on a DIN rail NS 32 or NS 35, color: gray

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

### Fuse

Fuse insert - S-II- 2 A/500 V - 0913605



Fuse insert, nominal current: 2 A, length: 50 mm, diameter: 22 mm, color: pink

Fuse insert - S-II- 4 A/500 V - 0913618



Fuse insert, nominal current: 4 A, length: 50 mm, diameter: 22 mm, color: brown

Fuse insert - S-II- 6 A/500 V - 0913621



Fuse insert, nominal current: 6 A, length: 50 mm, diameter: 22 mm, color: green

## Fuse modular terminal block - USED 27 N - 3048373

### Accessories

Fuse insert - S-II-10 A/500 V - 0913634



Fuse insert, nominal current: 10 A, length: 50 mm, diameter: 22 mm, color: red

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Fuse insert - S-II-16 A/500 V - 0913647



Fuse insert, nominal current: 16 A, length: 50 mm, diameter: 22 mm, color: gray

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Fuse insert - S-II-20 A/500 V - 0913650



Fuse insert, nominal current: 20 A, length: 50 mm, diameter: 22 mm, color: blue

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Fuse insert - S-II-25 A/500 V - 0913663



Fuse insert, nominal current: 25 A, length: 50 mm, diameter: 22 mm, color: yellow

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### Marker carriers

Marker carriers - MA 20X 8 BK - 0814270



Marker carrier, for SS-ZB contactor marking Zack marker strip

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### Screwdriver tools

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### Accessories

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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