

## Fuse modular terminal block - USEN 18 N - 3048360

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Fuse terminal blocks for NEOZED fuse inserts

### Your advantages

- ✓ The NEOZED® system features an impressive high current carrying capacity
- ✓ These fuse terminal blocks are designed for NEOZED® fuses



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 017918 976279
GTIN	4017918976279
Weight per Piece (excluding packing)	115.930 g
Custom tariff number	85363030
Country of origin	Germany

### Technical data

#### General

Number of levels	1
Number of connections	2
Nominal cross section	35 mm <sup>2</sup>
Color	light gray
Flammability rating according to UL 94	V2
Maximum power dissipation for nominal condition	4.06 W

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### Technical data

#### General

Rated surge voltage	6 kV
Degree of pollution	2
Overvoltage category	III
Insulating material group	IIIa
Maximum load current	63 A (with 35 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	63 A (the current is determined by the fuse used)
Nominal voltage U <sub>N</sub>	400 V (the voltage is determined by the fuse used)
Fuse	D 02 / E 18
Fuse type	Screw cartridge
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
Result of surge voltage test	Test passed
Result of power-frequency withstand voltage test	Test passed
Result of tight fit on support	Test passed
Contact resistance	Test passed
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 rpm
Bending test turns	135
Bending test conductor cross section/weight	1.5 mm <sup>2</sup> / 0.4 kg
	16 mm <sup>2</sup> / 2.9 kg
	35 mm <sup>2</sup> / 6.8 kg
Result of thermal test	Test passed
Relative insulation material temperature index (Elec., UL 746 B)	125 °C

#### Dimensions

Width	27 mm
Length	84 mm
Pitch	27 mm
Height NS 35/7,5	75 mm
Height NS 35/15	82.5 mm

#### 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>

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### Technical data

#### Connection data

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>
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

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

#### Standards and Regulations

Flammability rating according to UL 94	V2
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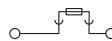
## Technical data

### 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 11.0	27141116
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	27141116
eCl@ss 9.0	27141116

### ETIM

ETIM 2.0	EC000899
ETIM 3.0	EC000899
ETIM 4.0	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

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## Classifications

### UNSPSC

UNSPSC 21.0	39121410
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## Approvals

### Approvals

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EAC / RS / EAC

### Ex Approvals

## Approval details

EAC		EAC-Zulassung
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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
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EAC		RU C- DE.BL08.B.00534
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## 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

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### Accessories

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

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

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### Accessories

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

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

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### Accessories

#### Fuse

Fuse insert - S 2 A/380 V - 0913016



Fuse insert, nominal current: 2 A, length: 36 mm, diameter: 11 mm, color: pink

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Fuse insert - S 4 A/380 V - 0913029



Fuse insert, nominal current: 4 A, length: 36 mm, diameter: 11 mm, color: brown

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Fuse insert - S 6 A/380 V - 0913032



Fuse insert, nominal current: 6 A, length: 36 mm, diameter: 11 mm, color: green

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Fuse insert - S 10 A/380 V - 0913045



Fuse insert, nominal current: 10 A, length: 36 mm, diameter: 11 mm, color: red

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Fuse insert - S 16 A/380 V - 0913058



Fuse insert, nominal current: 16 A, length: 36 mm, diameter: 11 mm, color: gray

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## Fuse modular terminal block - USEN 18 N - 3048360

### Accessories

Fuse insert - S 20 A/380 V - 0913061



Fuse insert, nominal current: 20 A, length: 36 mm, diameter: 15 mm, color: blue

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Fuse insert - S 25 A/380 V - 0913074



Fuse insert, nominal current: 25 A, length: 36 mm, diameter: 15 mm, color: yellow

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Fuse insert - S 35 A/380 V - 0913087



Fuse insert, nominal current: 35 A, length: 36 mm, diameter: 15 mm, color: black

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Fuse insert - S 50 A/380 V - 0913090



Fuse insert, nominal current: 50 A, length: 36 mm, diameter: 15 mm, color: white

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Fuse insert - S 63 A/380 V - 0913100



Fuse insert, nominal current: 63 A, length: 36 mm, diameter: 15 mm, color: copper-colored

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### Insertion bridge

## Fuse modular terminal block - USEN 18 N - 3048360

### Accessories

Insertion bridge - EB 36-27 - 3009341



Insertion bridge, pitch: 27 mm, number of positions: 36, color: gray

Insertion bridge - EB 36-27/L1-L2-L3 - 3009354



Insertion bridge, pitch: 27 mm, number of positions: 36, color: gray

### Marker carriers

Marker carriers - MA 20X 8 BK - 0814270



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

### Mounting material

Adapter sleeve - HS 2 A - 0913210



Adapter sleeve, nominal current: 2 A, color: pink

Adapter sleeve - HS 4 A - 0913223



Adapter sleeve, nominal current: 4 A, color: brown

## Fuse modular terminal block - USEN 18 N - 3048360

### Accessories

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Adapter sleeve - HS 6 A - 0913236



Adapter sleeve, nominal current: 6 A, color: green

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Adapter sleeve - HS 10 A - 0913249



Adapter sleeve, nominal current: 10 A, color: red

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Adapter sleeve - HS 16 A - 0913252



Adapter sleeve, nominal current: 16 A, color: gray

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Adapter sleeve - HS 20 A - 0913155



Adapter sleeve, nominal current: 20 A, color: blue

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Adapter sleeve - HS 25 A - 0913168



Adapter sleeve, nominal current: 25 A, sleeve length: 10.5 mm, length: 10.5 mm, diameter: 16.5 mm, color: yellow

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## Fuse modular terminal block - USEN 18 N - 3048360

### Accessories

Adapter sleeve - HS 35 A - 0913171



Adapter sleeve, nominal current: 35 A, color: black

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Adapter sleeve - HS 50 A - 0913184



Adapter sleeve, nominal current: 50 A, color: white

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Mounting material - SH-SE 14/18 - 0913317



NEOZED special spring, for using fuse inserts D 01, in threaded caps D 02, for 2 A ... 16 A

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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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