

# USED 27 N - Fuse modular terminal block

3048373

<https://www.phoenixcontact.com/us/products/3048373>

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Fuse modular terminal block, fuse type: Screw cartridge, fuse type: D II / E 27, nom. voltage: 500 V, nominal current: 25 A, connection method: Screw connection, Rated cross section: 35 mm<sup>2</sup>, cross section: 1.5 mm<sup>2</sup>- 35 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: light gray

## 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 mm<sup>2</sup> can be connected with the user-friendly spring-cage connection
- This fuse terminal block accommodates DIAZED® fuses

## Commercial data

Item number	3048373
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BE12
Product key	BE1235
GTIN	4017918976286
Weight per piece (including packing)	143 g
Weight per piece (excluding packing)	139.05 g
Customs tariff number	85363030
Country of origin	DE

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## Technical data

### Notes

Order information:	Fuse-link not supplied as standard
Note on application	for NEOZED fuse-links

### Product properties

Product type	Fuse terminal block
Pitch	40 mm
Number of connections	2
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Fuse type	Screw cartridge
Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	4.06 W
Fuse	D II / E 27

### Connection data

Number of connections per level	2
Nominal cross section	35 mm <sup>2</sup>

#### Level 1

Connection method	Screw connection
Screw thread	M6
Tightening torque	3.5 ... 4 Nm
Stripping length	19 mm
Internal cylindrical gage	B8
Conductor cross-section rigid	1.5 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Cross section AWG	14 ... 2 (converted acc. to IEC)
Conductor cross-section flexible	1.5 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	14 ... 2 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	1.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	1.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Cross-section with insertion bridge, rigid	25 mm <sup>2</sup>
Cross-section with insertion bridge, flexible	25 mm <sup>2</sup>
2 conductors with same cross section, rigid	1.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with same cross section, flexible	1.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	1.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>

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2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Nominal cross section	35 mm <sup>2</sup>
Nominal current	25 A (the current is determined by the fuse used)
Maximum load current	25 A (with 35 mm <sup>2</sup> conductor cross-section)
Nominal voltage	500 V (the voltage is determined by the fuse used)

## Dimensions

Width	40 mm
Height	80 mm
Depth on NS 35/7,5	62.5 mm
Depth on NS 35/15	70 mm
Pitch	40 mm

## Material specifications

Color	beige (RAL 7032)
Flammability rating according to UL 94	V2
Insulating material group	IIIb
Relative insulation material temperature index (Elec., UL 746 B)	125 °C

## Mechanical properties

### Mechanical data

Open side panel	No
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Mounting

Mounting type	NS 35/7,5
	NS 35/15

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## Drawings

Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0	27250113
ECLASS-15.0	27250113

### ETIM

ETIM 10.0	EC000899
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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### EF3.1 Climate Change

CO2e kg	0.78 kg CO2e
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