

# UT 4-HESILED 60 (5X20)-EX - Fuse modular terminal block



1021491

<https://www.phoenixcontact.com/gb/products/1021491>

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, connection method: Screw connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup>- 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: black

## Your advantages

- An extremely compact design
- Test pick-off on both sides in the fuse lever
- Tested for railway applications

## Commercial data

Item number	1021491
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE1134
Product key	BE1134
GTIN	4055626514406
Weight per piece (including packing)	17.876 g
Weight per piece (excluding packing)	17.876 g
Customs tariff number	85369095
Country of origin	PL

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## Technical data

### Notes

General	The current is determined by the fuse used, the voltage by the selected LED. If the fuse is faulty, the downstream circuit will not be disconnected.
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### Product properties

Product type	Fuse terminal block
Area of application	Railway industry
	Machine building
	Plant engineering
Number of connections	2
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Fuse type	Glass / ceramics / ...
Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	1.02 W
Fuse	G / 5 x 20
LED voltage range	30 V AC/DC ... 60 V AC/DC
LED current range	0.4 mA ... 0.86 mA
Maximum power dissipation	max. 1.6 W (with single arrangement of the fuse terminal block in the event of overload)
	max. 1.6 W (With interconnected arrangement of several fuse terminal blocks in the event of overload)
	max. 4 W (with single arrangement of the fuse terminal block in the event of a short-circuit)
	max. 2.5 W (With interconnected arrangement of several fuse terminal blocks in the event of a short-circuit)

### Input data

LED voltage range	30 V AC/DC ... 60 V AC/DC
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### Connection data

Number of connections per level	2
Nominal cross section	4 mm <sup>2</sup>
Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	9 mm

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Internal cylindrical gage	A4
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Cross section AWG	26 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	26 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with same cross section, solid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Nominal cross section	4 mm <sup>2</sup>

## Ex data

### Rated data (ATEX/IECEx)

Identification	Ex II 3 G Ex ec IIC Gc
Operating temperature range	-60 °C ... 130 °C
Ex-certified accessories	1205053 SZS 0,6X3,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
Rated voltage	275 V
Rated insulation voltage	250 V
output	(Permanent)

### Ex level General

Rated current	6.3 A (4 mm <sup>2</sup> )
Maximum load current	6.3 A (6 mm <sup>2</sup> )
Contact resistance	5 mΩ

### Ex connection data General

Torque range	0.6 Nm ... 0.8 Nm
Nominal cross section	4 mm <sup>2</sup>
Rated cross section AWG	12
Connection capacity rigid	0.14 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Connection capacity AWG	26 ... 10
Connection capacity flexible	0.14 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Connection capacity AWG	26 ... 10
2 conductors with same cross section, solid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with the same cross-section AWG rigid	26 ... 16
2 conductors with same cross section, stranded	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with the same cross-section AWG flexible	26 ... 16
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Single conductor/terminal point, flexible, with ferrule, without plastic sleeve, AWG	26 ... 12

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## Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

## 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

# UT 4-HESILED 60 (5X20)-EX - Fuse modular terminal block

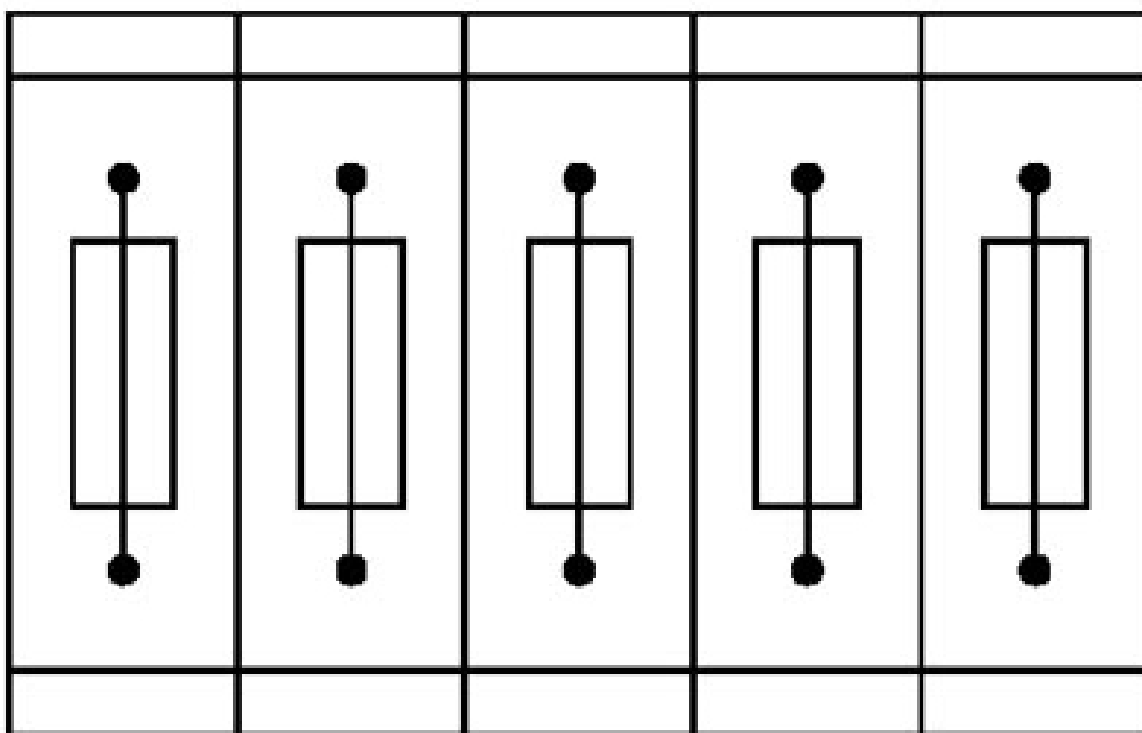


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## Drawings

Application drawing



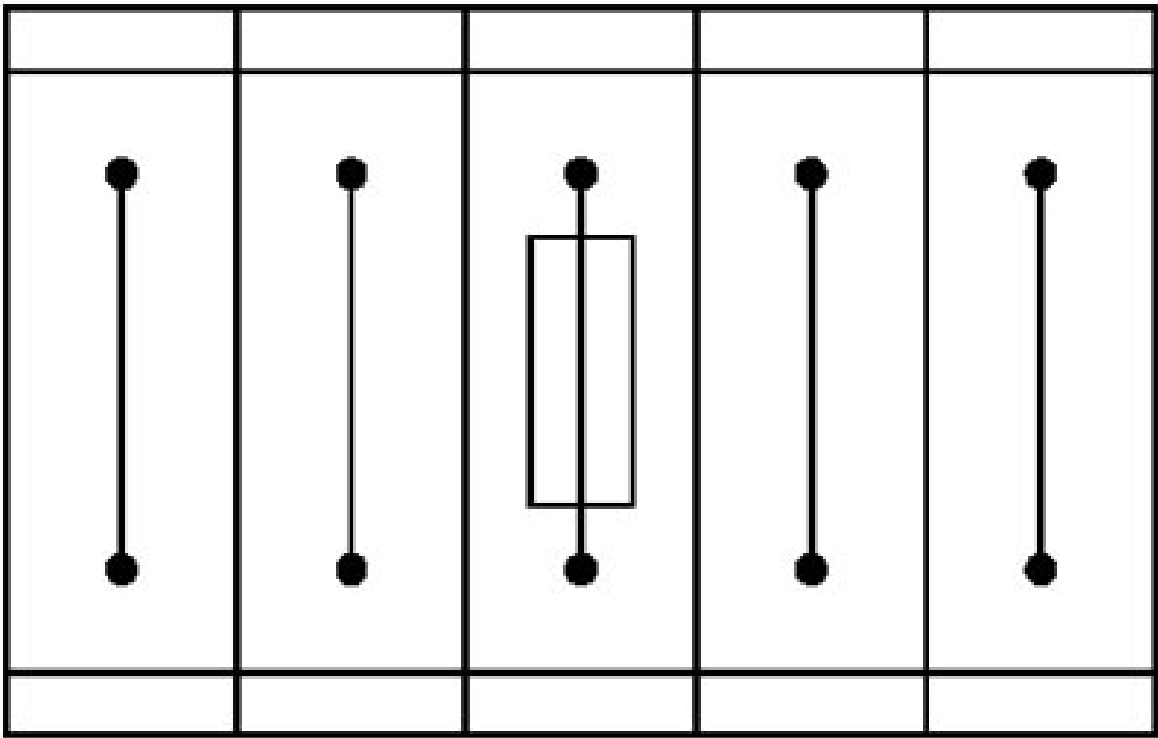
Fuse terminal blocks in interconnected arrangement,  
block consisting of 5 fuse terminal blocks

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Application drawing



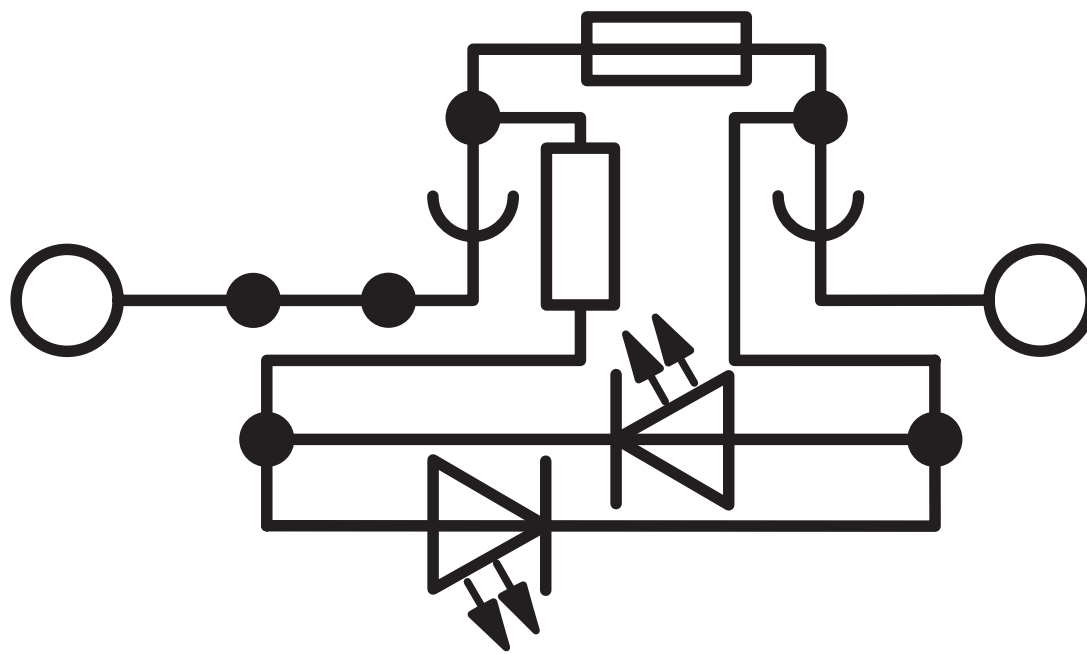
Fuse terminal block in single arrangement,  
block consisting of one fuse terminal block and 4 feed-through terminal blocks

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Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1021491>



**cUL Recognized**  
Approval ID: E192998

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	500 V	10 A	26 - 10	-



**IECEx**  
Approval ID: IECExKIWA14.0014U



**UL Recognized**  
Approval ID: E192998

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	500 V	10 A	26 - 10	-



**ATEX**  
Approval ID: KIWA14ATEX0025U



**UKCA-EX**  
Approval ID: CSAE 21UKEX3606U



**EAC Ex**  
Approval ID: KZ 7500525010101950

**cULus Recognized**



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## Classifications

### ECLASS

ECLASS-11.0	27141116
ECLASS-12.0	27141116
ECLASS-13.0	27250113

### ETIM

ETIM 9.0	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
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	561e669b-a652-4aab-bf73-a828686cdb1d

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