

UT 4-HESILED 24 (5X20)-EX - Fuse modular terminal block



1021497

<https://www.phoenixcontact.com/sg/products/1021497>

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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 mm², cross section: 0.14 mm²- 6 mm², 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	1021497
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	*****
Product key	BE1134
GTIN	4055626513768
Weight per piece (including packing)	17.76 g
Weight per piece (excluding packing)	22.22 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	6 kV
Maximum power dissipation for nominal condition	1.02 W
Fuse	G / 5 x 20
LED voltage range	12 V AC/DC ... 30 V AC/DC
LED current range	0.31 mA ... 0.95 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	12 V AC/DC ... 30 V AC/DC
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Connection data

Number of connections per level	2
Nominal cross section	4 mm ²
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 ² ... 6 mm ²
Cross section AWG	26 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	26 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 4 mm ²
2 conductors with same cross section, solid	0.14 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible	0.14 mm ² ... 1.5 mm ²
Nominal cross section	4 mm ²

Ex data

Rated data (ATEX/IECEx)

Identification	⊕ 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 ²)
Maximum load current	6.3 A (6 mm ²)
Contact resistance	5 mΩ

Ex connection data General

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

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Dimensions

Width	6.2 mm
Height	57.8 mm
Depth on NS 35/7,5	75.6 mm
Depth on NS 35/15	83.1 mm

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

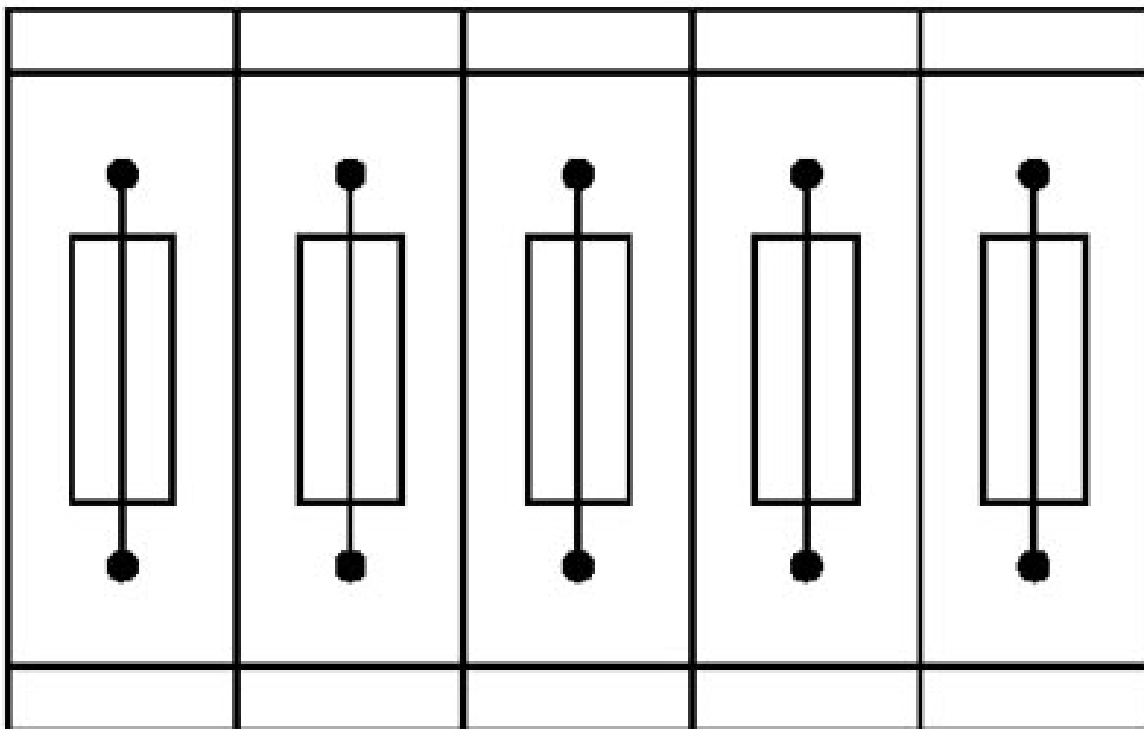
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Drawings

Application drawing



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

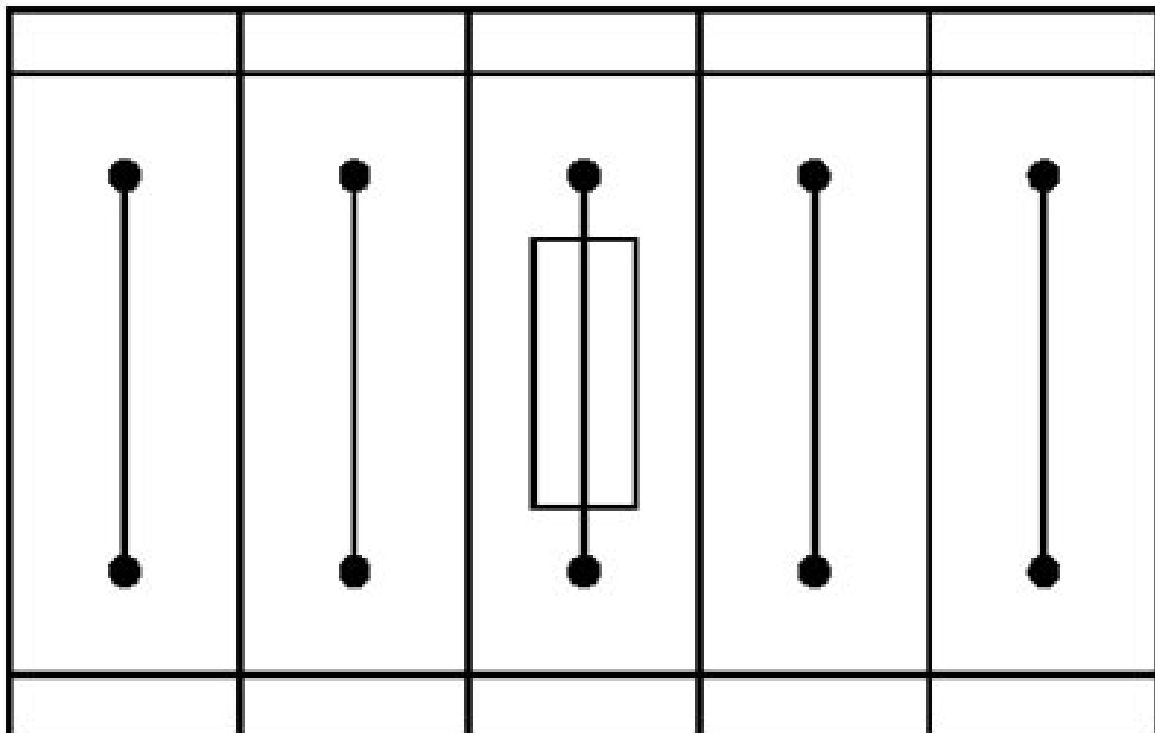
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Application drawing



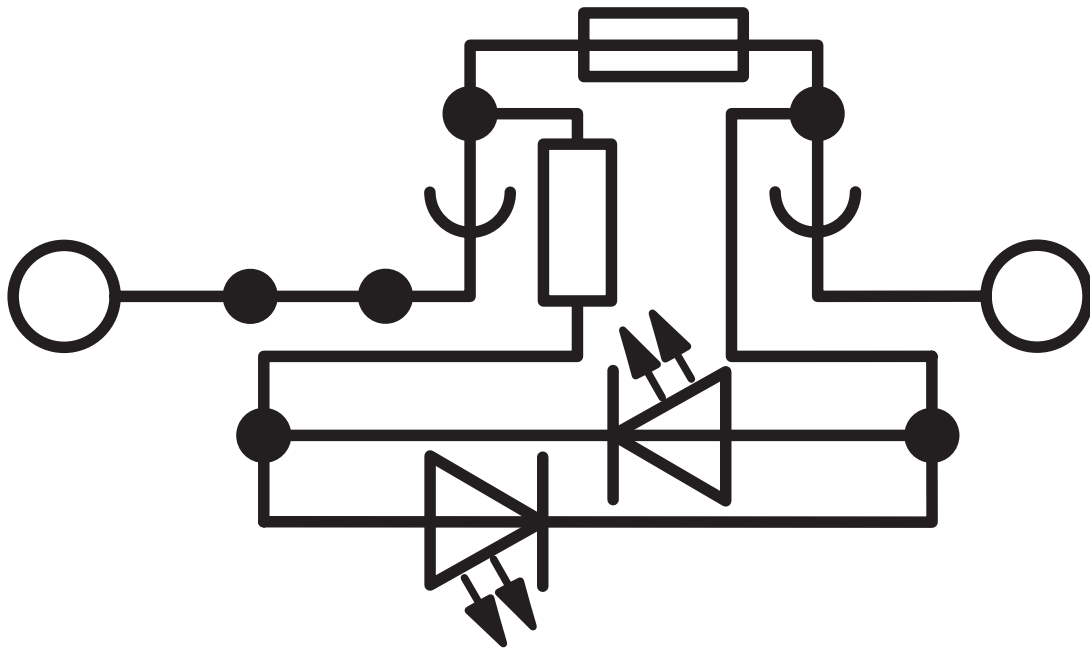
Fuse terminal block in single arrangement,
block consisting of one fuse terminal block and 4 feed-through terminal blocks

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Circuit diagram



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Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/1021497>


 cUL Recognized Approval ID: E192998	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	10 A	26 - 10	-

 IECEX Approval ID: IECEXKIWA14.0014U
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 UL Recognized Approval ID: E192998	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section 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	0dd09270-7dbb-438e-a3d5-ee5e8ae75bef

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