

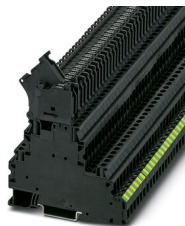
Fuse modular terminal block - UT 4-PE/L/HESILED 24 (5X20) 120KOHM



3214321

<https://www.phoenixcontact.com/gb/products/3214321>

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 24 V, nominal current: 28 A, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.14 mm²- 6 mm², connection method: Screw connection, Rated cross section: 1 mm², cross section: 0.14 mm²- 6 mm², mounting type: NS 35/7,5, NS 35/15, color: black

Commercial Data

Item number	3214321
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	BE1136
Product Key	BE1136
Catalog Page	Page 162 (C-1-2019)
GTIN	4046356895163
Weight per Piece (including packing)	36.398 g
Weight per Piece (excluding packing)	36.794 g
Customs tariff number	85369095
Country of origin	PL

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3214321

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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	Ground terminal block
Number of connections	5
Number of rows	3
Potentials	3

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

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	4 mm ²

Level 1

Screw thread	M3
Note	Please observe the current carrying capacity of the DIN rails.

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3214321

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Tightening torque	0.6 ... 0.8 Nm
Stripping length	9 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-2/IEC 60947-7-3
Conductor cross section solid	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)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 4 mm ²
Nominal current	28 A
Maximum load current	36 A (the current is determined by the fuse used)
Nominal voltage	24 V
Nominal cross section	4 mm ²

Level 2

Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	9 mm
Connection in acc. with standard	IEC 60947-7-2/IEC 60947-7-3
Conductor cross section solid	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)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 4 mm ²
Nominal current	6.3 A
Maximum load current	6.3 A (the current is determined by the fuse used)
Nominal voltage	24 V
Nominal cross section	1 mm ²

Ex data

Rated data (ATEX/IECEx)

IEC Ex certificate	IECEx KIWA 14.0014 U
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	500 V
	250 V

Fuse modular terminal block - UT 4-PE/L/HESILED 24 (5X20) 120KOHM



3214321

<https://www.phoenixcontact.com/gb/products/3214321>

output	(Permanent)
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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
output	(Permanent)

Ex level Level 2

Rated current	20 A (4 mm ²)
Maximum load current	20 A (6 mm ²)
Contact resistance	0.6 mΩ
Temperature increase	40 K (20 A / 4 mm ²)
output	(Permanent)

Ex level Level 3

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

Dimensions

Width	6.2 mm
Height	94.5 mm
Height NS 35/15	96.4 mm
Height NS 35/7,5	88.9 mm
Length	92.7 mm

Material specifications

Color	black
Flammability rating according to UL 94	V0
Insulating material group	I

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3214321

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Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature 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 (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-2/IEC 60947-7-3
	IEC 60947-7-2/IEC 60947-7-3

Mounting

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

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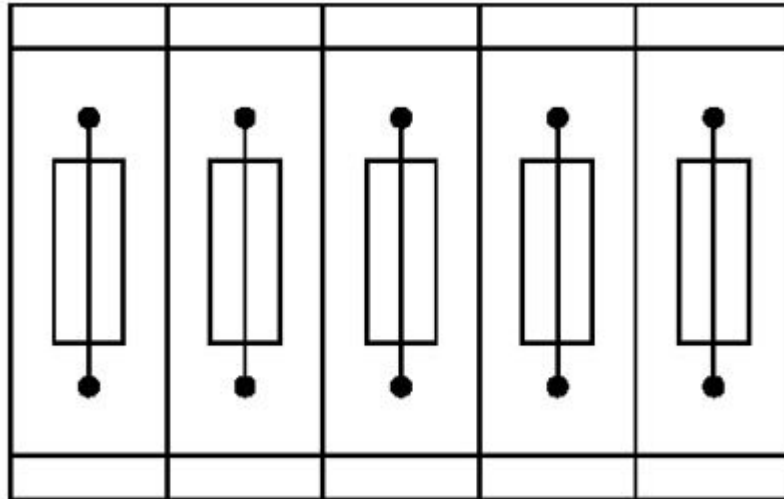


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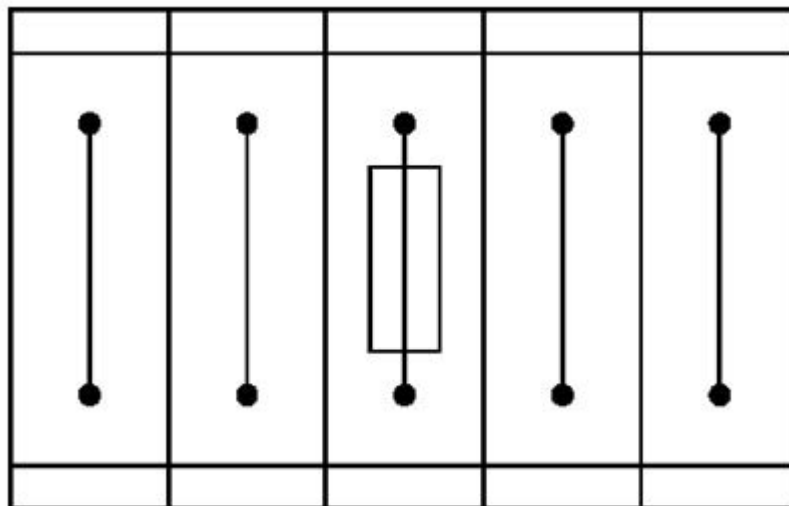
Drawings

Application drawing



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

Application drawing



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

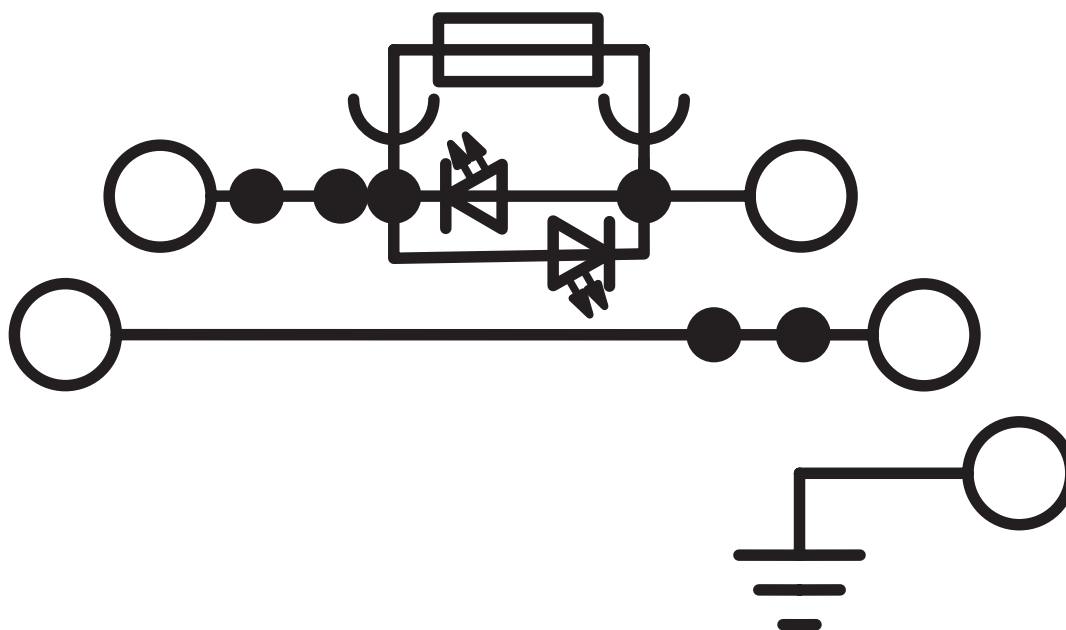
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Circuit diagram



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Approvals

**EAC**

Approval ID: RU C-DE.BL08.B.00534

**cULus Recognized**

Approval ID: E60425

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
upper level	300 V	16 A	26 - 10	-
lower level	300 V	20 A	26 - 10	-
PE connection			26 - 10	-
Use group C				
upper level	300 V	16 A	26 - 10	-
lower level	300 V	20 A	26 - 10	-
PE connection			26 - 10	-
Use group D				
PE connection			26 - 10	-

**cUL Recognized**

Approval ID: E192998

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
PE connection			26 - 10	26 - 10
with cartridge fuse-link	300 V	16 A	26 - 10	26 - 10
middle level	300 V	20 A	26 - 10	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 mm^2
PE connection			26 - 10	-
with cartridge fuse-link	300 V	16 A	26 - 10	-
middle level	300 V	20 A	26 - 10	-

**CCC**

Approval ID: 2020322313000632

Fuse modular terminal block - UT 4-PE/L/HESILED 24 (5X20) 120KOHM



3214321

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NEPSI

Approval ID: GYJ20.1206U



ATEX

Approval ID: KIWA14ATEX0025U



UKCA-EX

Approval ID: CSAE 21UKEX3606U

cULus Recognized

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Classifications

ECLASS

ECLASS-9.0	27141116
ECLASS-10.0.1	27141116
ECLASS-11.0	27141116

ETIM

ETIM 8.0	EC000899
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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