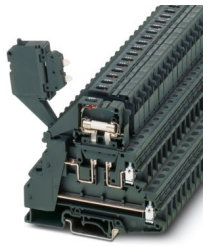
TB 4-2L-HESILED 24 (5X20) I - Multi-level fuse terminal block

3246854

https://www.phoenixcontact.com/gb/products/3246854

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Multi-level fuse terminal block, with LED display for 15-30 V AC/DC, lower level feed-through, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 24 V, nominal current: 30 A, connection method: Screw connection, 1 level, Rated cross section: 4 mm^2, cross section: 0.5 mm^2- 6 mm^2, 2nd level, mounting type: NS 35/7,5, NS 35/15, NS 32, color: dark gray

Commercial data

Item number	3246854
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BEK234
Product key	BEK234
GTIN	4046356689700
Weight per piece (including packing)	33.6 g
Weight per piece (excluding packing)	33.6 g
Customs tariff number	85369095
Country of origin	PL

Technical data

Notes

Order information:	Fuse-link not supplied as standard

General

Note	The current is determined by the fuse used, the voltage by the fuse or selected light indicator.

Product properties

Product type	Fuse terminal block
Product family	TB
Number of connections	4
Number of rows	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Fuse type	Glass / ceramics / ...
Fuse	G / 5 x 20
LED voltage range	12 V AC ... 30 V AC
LED current range	0.9 mA ... 2.4 mA

Input data

LED voltage range	12 V AC ... 30 V AC

Connection data

Number of connections per level	2
Nominal cross section	4 mm²
Rated cross section AWG	10

1 level

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Stripping length	8 mm
Internal cylindrical gage	A3
	B3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm² ... 6 mm²
Cross section AWG	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm² ... 4 mm²
Conductor cross-section, flexible [AWG]	20 ... 12 (converted acc. to IEC)

Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 4 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm² ... 4 mm²
Cross-section with insertion bridge, rigid	0.5 mm² ... 4 mm²
Cross-section with insertion bridge, flexible	0.5 mm² ... 2.5 mm²
2 conductors with same cross section, rigid	0.5 mm² ... 1.5 mm²
2 conductors with the same cross-section AWG rigid	20 ... 16 (converted acc. to IEC)
2 conductors with same cross section, flexible	0.5 mm² ... 1.5 mm²
2 conductors with the same cross-section AWG flexible	20 ... 16 (converted acc. to IEC)
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm² ... 1.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 1.5 mm²
Nominal cross section	4 mm²
Nominal current	30 A
Maximum load current	30 A
Nominal voltage	24 V (the voltage is determined by the light indicator.)

2nd level

Maximum load current	6.3 A
	6.3 A (Upper level)

Dimensions

Width	8.2 mm
Height	86.5 mm
Depth on NS 32	84 mm
Depth on NS 35/7,5	79 mm
Depth on NS 35/15	86.5 mm

Material specifications

Color	dark gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °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
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

Electrical tests

Surge voltage test

Test voltage setpoint	7.3 kV
Result	Test passed
Short-time withstand current 4 mm²	0.48 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No

Mechanical tests

Mechanical strength

Result	Test passed

Attachment on the carrier

DIN rail/fixing support	NS 32/NS 35
Result	Test passed

Test for conductor damage and slackening

Rotation speed	9 rpm
Revolutions	135
Conductor cross-section/weight	0.5 mm² / 0.3 kg
	4 mm² / 0.9 kg
	6 mm² / 1.4 kg
Result	Test passed

Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Spectrum	Long life test category 2, bogie-mounted
Frequency	f_1 = 5 Hz to f_2 = 150 Hz
ASD level	6.12 (m/s²)²/Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms

Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Standards and regulations

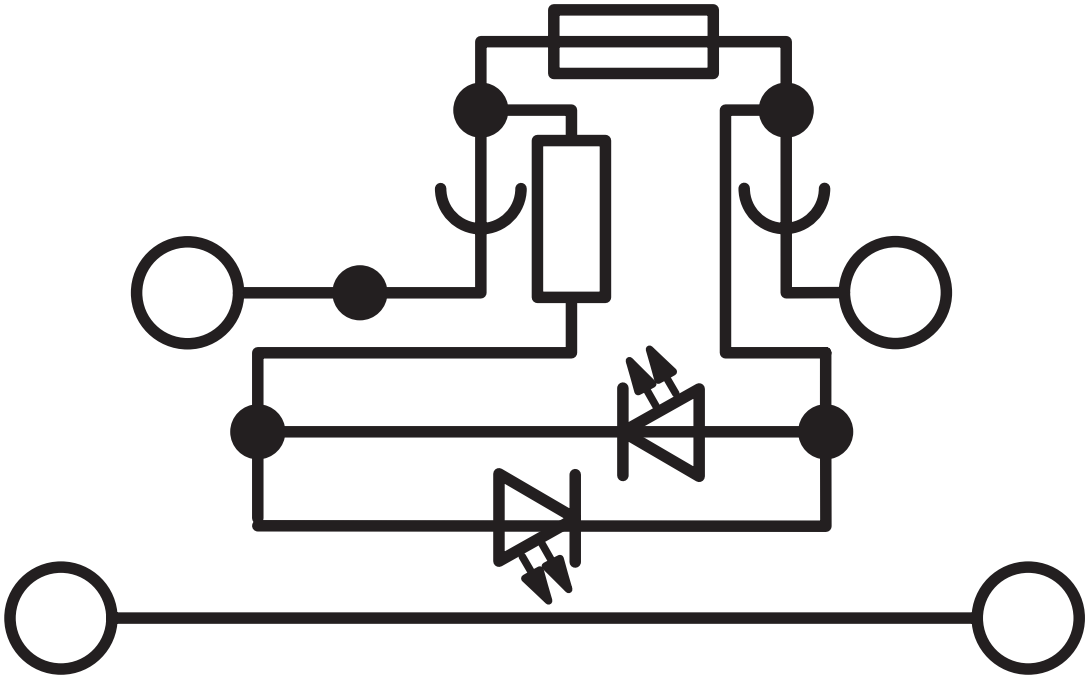
Connection in acc. with standard	IEC 60947-7-1

Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32

Drawings

Circuit diagram



Approvals

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cULus Recognized
Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
upper level	600 V	6.3 A	20 - 10	-
lower level	600 V	30 A	20 - 10	-
C				
upper level	600 V	6.3 A	20 - 10	-
lower level	600 V	30 A	20 - 10	-

Classifications

ECLASS

ECLASS-13.0	27250113
ECLASS-15.0	27250113

ETIM

ETIM 10.0	EC000899

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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%

EF3.1 Climate Change

CO2e kg	0.255 kg CO2e

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