

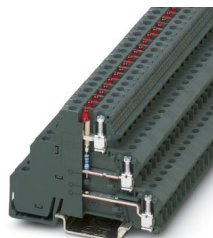
TB 2,5-3L-LA 24RD/O-M I - Multi-level terminal block



3246791

<https://www.phoenixcontact.com/sg/products/3246791>

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Multi-level terminal block, with red LED between the upper and middle level, middle and lower level bridgeable with insertion bridges, nom. voltage: 250 V, nominal current: 20 A, connection method: Screw connection, Rated cross section: 2.5 mm², cross section: 0.2 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: dark gray

Commercial data

Item number	3246791
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	*****
Product key	BEK217
GTIN	4046356689533
Weight per piece (including packing)	18.4 g
Weight per piece (excluding packing)	18.4 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Product properties

Product type	Multi-conductor terminal block
Number of positions	3
Number of connections	3
Number of rows	3

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.77 W
LED voltage range	15 V DC ... 30 V DC
LED current range	1 mA ... 2.5 mA

Input data

LED voltage range	15 V DC ... 30 V DC
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Connection data

Number of connections per level	2
Nominal cross section	2.5 mm ²
Rated cross section AWG	12
Screw thread	M2,5
Tightening torque	0.4 ... 0.5 Nm
Stripping length	8 mm
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section, flexible [AWG]	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Cross-section with insertion bridge, rigid	0.2 mm ² ... 4 mm ²
Cross-section with insertion bridge, flexible	0.2 mm ² ... 2.5 mm ²
Cross-section with insertion bridge, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 2.5 mm ²
Cross-section with insertion bridge, flexible, with ferrule with plastic sleeve	0.25 mm ² ... 2.5 mm ²
2 conductors with same cross section, solid	0.2 mm ² ... 1 mm ²
2 conductors with the same cross-section AWG rigid	24 ... 16 (converted acc. to IEC)
2 conductors with same cross section, flexible	0.2 mm ² ... 1 mm ²
2 conductors with the same cross-section AWG flexible	24 ... 16 (converted acc. to IEC)
Nominal current	20 A (with a 2.5 mm ² conductor cross section)

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Maximum load current	20 A (with a 2.5 mm ² conductor cross section)
Nominal voltage	250 V
Nominal cross section	2.5 mm ²

Dimensions

Width	6.2 mm
Height	72.8 mm
Depth on NS 32	60.3 mm
Depth on NS 35/7,5	55.3 mm
Depth on NS 35/15	62.8 mm

Material specifications

Color	traffic grey B (RAL 7043)
Flammability rating according to UL 94	V0
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

Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

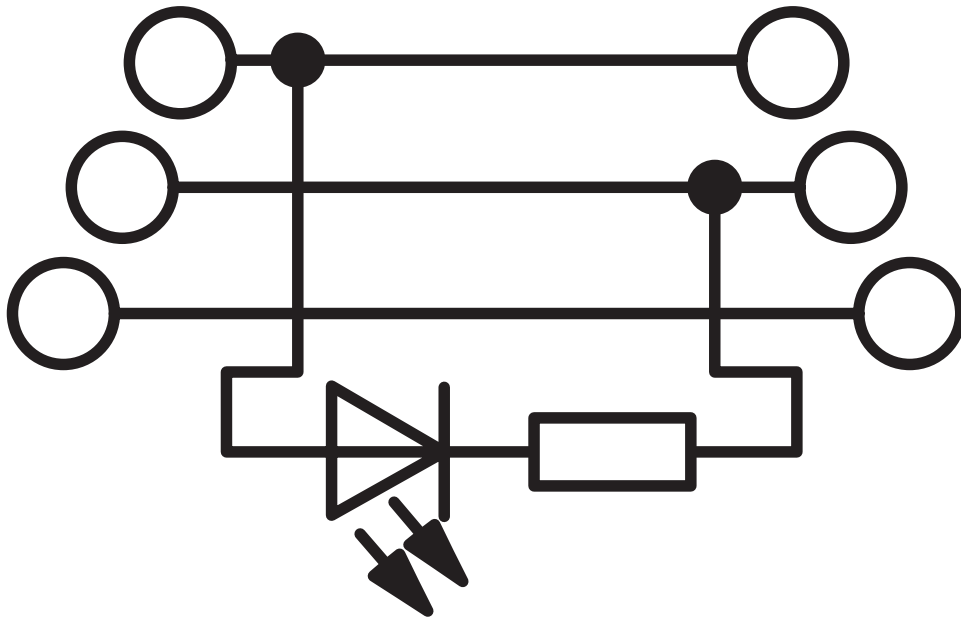
Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-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
	NS 32

Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3246791>



EAC

Approval ID: RU C-DE.A*30.B.01742



EAC

Approval ID: EACKZ 08593



cULus Recognized

Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	300 V	15 A	20 - 12	-
Use group C				
	300 V	15 A	20 - 12	-

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Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250102

ETIM

ETIM 9.0	EC000897
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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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