

TB 2,5-PE/3L I - Motor connection terminal block



3246826

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Motor connection terminal block, upper level bridgeable, middle level bridgeable with insertion bridges, lower level with PE foot, nom. voltage: 400 V, nominal current: 19 A, connection method: Screw connection, 1st, 2nd and 3rd level, Rated cross section: 2.5 mm², cross section: 0.2 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: dark gray

Commercial data

Item number	3246826
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE1425
Product key	BEK225
GTIN	4046356689670
Weight per piece (including packing)	25.95 g
Weight per piece (excluding packing)	25.95 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Product properties

Product type	Motor terminal block
Product family	TB
Number of positions	4
Number of connections	3
Number of rows	3

Insulation characteristics

Overvoltage category	III
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Electrical properties

Maximum power dissipation for nominal condition	0.77 W
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Connection data

Number of connections per level	2
Nominal cross section	2.5 mm ²
Rated cross section AWG	12

1st, 2nd and 3rd level

Connection method	Screw connection
Screw thread	M2,5
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	0.4 ... 0.5 Nm
Stripping length	8 mm
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
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
Nominal current	19 A (with a 2.5 mm ² conductor cross-section)
Maximum load current	19 A (with a 2.5 mm ² conductor cross-section)
Nominal voltage	400 V
Nominal cross section	2.5 mm ²

Dimensions

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Width	6.2 mm
Height	83.5 mm
Depth on NS 32	75.9 mm
Depth on NS 35/7,5	70.9 mm
Depth on NS 35/15	78.4 mm

Material specifications

Color	traffic grey B (RAL 7043)
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

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 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
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Mounting

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

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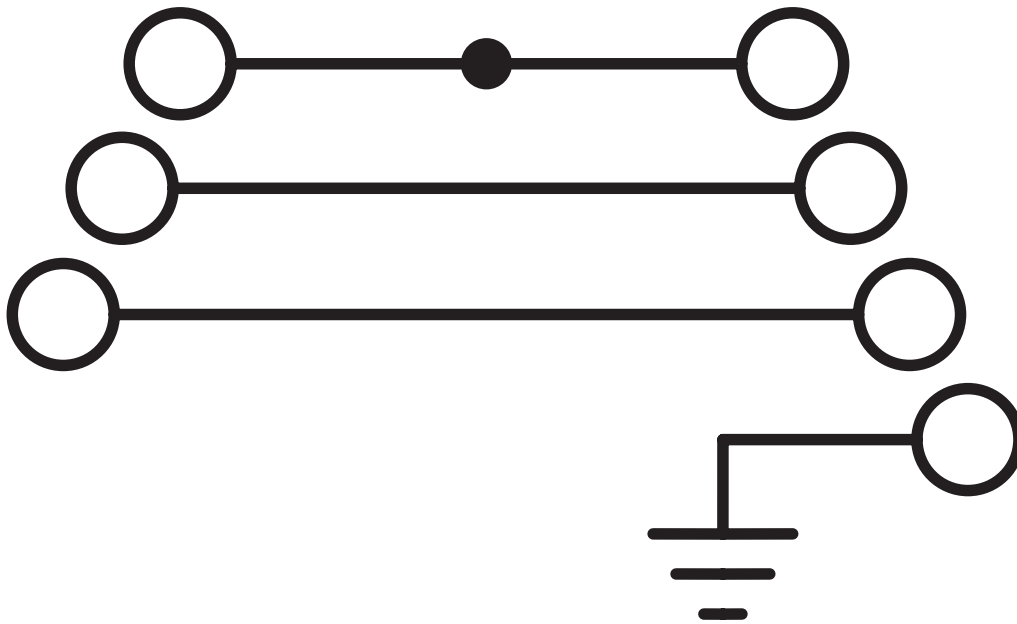


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Drawings

Circuit diagram



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Approvals

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EAC

Approval ID: KZ7500651131219505



cULus Recognized

Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
D				
	-	-	20 - 12	-

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Classifications

ECLASS

ECLASS-13.0	27250102
ECLASS-15.0	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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