TB 4-MT-P/P I - Disconnect terminal block

3246405

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Disconnect terminal block, with captive isolating plugs and test socket screws, operable without tools, nom. voltage: 800 V, nominal current: 16 A, connection method: Screw connection, Rated cross section: 4 mm^2, cross section: 0.5 mm^2 - 6 mm^2, mounting: NS 35/7,5, NS 35/15, NS 32, color: dark gray

Commercial data

Item number	3246405
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BEK231
Product key	BEK231
GTIN	4046356608596
Weight per piece (including packing)	9.908 g
Weight per piece (excluding packing)	8.54 g
Customs tariff number	85369010
Country of origin	CN

Technical data

Product properties

Product type	Disconnect terminal block
Product family	TB
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Number of connections per level	2
Nominal cross section	4 mm²
Rated cross section AWG	10
Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Stripping length	8 mm
Internal cylindrical gage	A4
	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 ... 2.5 mm²
Cross-section with insertion bridge, rigid	0.5 mm² ... 4 mm²
Cross-section with insertion bridge, flexible	0.5 mm² ... 4 mm²
Cross-section with insertion bridge, flexible, with ferrule without plastic sleeve	0.5 mm² (2.5 mm²)
Cross-section with insertion bridge, flexible, with ferrule with plastic sleeve	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 ... 14 (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 ... 14 (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	16 A
Maximum load current	16 A (with 4 mm² conductor cross-section)
Nominal voltage	800 V (Rated surge voltage = 6 kV)

Dimensions

Width	6.15 mm
Height	42.5 mm
Depth on NS 32	64.8 mm
Depth on NS 35/7,5	59.8 mm
Depth on NS 35/15	67.3 mm

Material specifications

Color	traffic gray 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

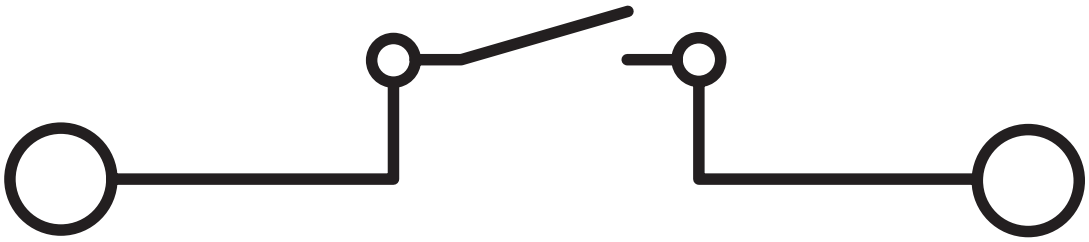
Connection in acc. with standard	IEC 60947-7-1

Mounting

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

Drawings

Circuit diagram



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
B				
	600 V	15 A	20 - 10	-
C				
	600 V	15 A	20 - 10	-

Classifications

ECLASS

ECLASS-13.0	27250108
ECLASS-15.0	27250108

ETIM

ETIM 10.0	EC000902

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%

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