

TBD 6 EI - Feed-through terminal block



3075854

<https://www.phoenixcontact.com/in/products/3075854>

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 41 A, number of connections: 2, connection method: Screw connection, cross section: 1.5 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: dark gray

Commercial data

Item number	3075854
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE1
Product key	BEK233
GTIN	4046356528993
Weight per piece (including packing)	17.658 g
Weight per piece (excluding packing)	17.658 g
Country of origin	IN

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Technical data

Product properties

Product type	Feed-through terminal block
Number of connections	2
Number of rows	1
Potentials	1

Data management status

Article revision	04
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Number of connections per level	2
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Level 1 above 1 below 1

Screw thread	M4
Tightening torque	1.4 ... 1.5 Nm
Stripping length	10 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	1.5 mm ² ... 6 mm ²
Cross section AWG	16 ... 8 (converted acc. to IEC)
Conductor cross section flexible	1.5 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	16 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	1.5 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	1.5 mm ² ... 6 mm ²
2 conductors with same cross section, solid	1.5 mm ² ... 2.5 mm ²
2 conductors with same cross section, flexible	1.5 mm ² ... 2.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	1.5 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm ² ... 2.5 mm ²
Nominal current	41 A
Maximum load current	41 A
Nominal voltage	800 V (in the case of enclosed clamping space)

Dimensions

Width	8.2 mm
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End cover width	2.2 mm
Height	46.8 mm

Material specifications

Color	traffic grey B (RAL 7043)
Flammability rating according to UL 94	V2
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	Yes
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Environmental and real-life conditions

Ambient conditions

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 60947-7-1
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Mounting

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

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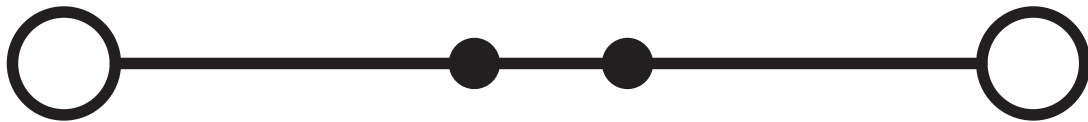
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Drawings

Circuit diagram



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Classifications

ECLASS

ECLASS-11.0	27141120
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UNSPSC

UNSPSC 21.0	39121410
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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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