

3028937

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Component terminal block, with integrated diode, nom. voltage: 800 V, nominal current: 0.5 A, connection method: Spring-cage connection, Rated cross section: 1 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting: NS 35/7,5, NS 35/15, color: orange

#### Commercial data

Item number	3028937
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE02
Product key	BE2171
GTIN	4017918927868
Weight per piece (including packing)	9.81 g
Weight per piece (excluding packing)	9.81 g
Customs tariff number	85369010
Country of origin	PL



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### Technical data

### Product properties

Product type	Component terminal block	
Number of connections	4	
Number of rows	1	
Potentials	1	
Insulation characteristics		
Overvoltage category	III	
Degree of pollution	3	

#### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	0.77 W

#### Connection data

Number of connections per level	4
Nominal cross section	2.5 mm²
Connection method	Spring-cage connection
Stripping length	8 mm 10 mm
Internal cylindrical gage	A3
Conductor cross-section rigid	0.08 mm² 4 mm²
Cross section AWG	28 12 (converted acc. to IEC)
Conductor cross-section flexible	0.08 mm² 2.5 mm²
Conductor cross-section, flexible [AWG]	28 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² 2.5 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm² 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm²
Nominal current	0.5 A
Maximum load current	0.5 A (the maximum current is determined by the diode)
Nominal voltage	800 V
Nominal cross section	1 mm²

### Dimensions

Width	5.2 mm
End cover width	2.2 mm

### Material specifications

Color	orange (RAL 2003)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA



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#### Mechanical properties

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	Open side panel	Yes	

#### Environmental and real-life conditions

#### Ambient conditions

Ambient temperature (operation)	-60 °C 105 °C (max. short-term operating temperature 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 (storage/transport)	30 % 70 %

#### Mounting

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



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### Classifications

	ETIM 8.0	EC000903
1U	NSPSC	
	LINSPSC 21.0	39121400



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### Environmental product compliance

#### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	44a2530b-119a-496f-8cd5-7454414071b8

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