

3005646

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### Your advantages

• Can be bridged with FBI ... fixed bridge

### Commercial data

Item number	3005646
Packing unit	50 pc
Minimum order quantity	1 pc
Sales key	BE12
Product key	BE1235
GTIN	4017918091231
Weight per piece (including packing)	34.89 g
Weight per piece (excluding packing)	34.89 g
Customs tariff number	85369095
Country of origin	PL



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### Technical data

### Product properties

Product type	Fuse terminal block
Number of connections	2
Number of rows	1
Potentials	1
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3

### Electrical properties

Fuse type	Glass / ceramics /
Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	1.82 W
Fuse	G / 6,3 x 32
LED voltage range	15 V AC/DC 30 V AC/DC
LED current range	1 mA 2.5 mA
Maximum power dissipation	max. 2.5 W (with single arrangement of the fuse terminal block in the event of overload)
	max. 2.5 W (With interconnected arrangement of several fuse terminal blocks in the event of overload)
	max. 4 W (with single arrangement of the fuse terminal block in the event of a short-circuit)
	max. 2.5 W (With interconnected arrangement of several fuse terminal blocks in the event of a short-circuit)

### Input data

LED voltage range	15 V AC/DC 30 V AC/DC
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### Connection data

Number of connections per level	2
Nominal cross section	10 mm²
Rated cross section AWG	6

#### Level 1 above 1 below 1

Level 1 above 1 below 1	
Connection method	Screw connection
Screw thread	M4
Tightening torque	1.5 1.8 Nm
Stripping length	11 mm
Internal cylindrical gage	B6
Connection in acc. with standard	IEC 60947-7-3
Conductor cross-section rigid	0.5 mm² 16 mm²
Cross section AWG	20 6 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm² 16 mm²



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Conductor cross-section, flexible [AWG]	20 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² 10 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> 10 mm <sup>2</sup>
Cross-section with insertion bridge, rigid	10 mm²
Cross-section with insertion bridge, flexible	10 mm²
2 conductors with same cross section, solid	0.5 mm² 4 mm²
2 conductors with same cross section, flexible	0.5 mm² 4 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm² 4 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> 10 mm <sup>2</sup>
Nominal current	10 A
Maximum load current	10 A
Nominal voltage	400 V
	800 V (As a disconnect terminal block)

#### **Dimensions**

Width	12 mm
Height	62 mm
Depth on NS 32	62.2 mm
Depth on NS 35/7,5	57.2 mm
Depth on NS 35/15	64.7 mm

### Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V2
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

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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 %

### Standards and regulations

Connection in acc. with standard	IEC 60947-7-3
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### Mounting

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



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### **Approvals**

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3005646

CB scheme	IECEE CB Scheme Approval ID: NL-56826/A1				
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine					
		800 V	-	-	0.5 - 16

KEMA	KEMA-KEUR Approval ID: 71-119846				
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine					
		-	10 A	-	0.5 - 16

cULus Recogn Approval ID: E6042	CULus Recognized Approval ID: E60425			
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
В				
	300 V	20 A	24 - 6	-
С				
	300 V	20 A	24 - 6	-
F				
	500 V	20 A	24 - 6	-

EAC	EAC
LIIL	Approval ID: KZ7500651131219505



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### Classifications

#### **ECLASS**

	ECLASS-13.0	27250113		
	ECLASS-15.0	27250113		
ΕI	ETIM			
	ETIM 9.0	EC000899		
UNSPSC				
	UNSPSC 21.0	39121400		



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### 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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