

3025046

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 24 V, nominal current: 10 A, connection method: Push-in connection, Rated cross section: 6 mm 2 , cross section: 0.5 mm 2 - 10 mm 2 , mounting type: NS 35/7,5, NS 35/15, color: black

Commercial data

Item number	3025046
Packing unit	25 pc
Minimum order quantity	25 pc
Sales key	BE22
Product key	BE2235
Catalog page	Page 113 (C-1-2019)
GTIN	4055626379449
Weight per piece (including packing)	29.368 g
Weight per piece (excluding packing)	27.93 g
Customs tariff number	85369095
Country of origin	IN



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Technical data

Notes

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Note	The current is determined by the fuse used, the voltage by the
	fuse or selected light indicator.

Product properties

Product type	Fuse terminal block
Number of connections	2
Number of rows	1
Potentials	1

Data management status

	Article revision	01
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Glass / ceramics /
6 kV
1.31 W
G / 5 x 20
12 V AC/DC 30 V AC/DC (LED red)
1 mA 2.5 mA
max. 1.6 W (with single arrangement of the fuse terminal block in the event of overload)
max. 1.6 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	12 V AC/DC 30 V AC/DC (LED red)
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Connection data

Number of connections per level	2
Nominal cross section	6 mm²
Rated cross section AWG	10
Stripping length	10 mm 12 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-3



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Conductor cross section rigid	0.5 mm ² 10 mm ²
Cross section AWG	20 8 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² 10 mm²
Conductor cross section, flexible [AWG]	20 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² 6 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² 6 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² 2.5 mm ² When using TWIN ferrules, we recommend a minimum ferrule length of 13 mm.
Nominal current	10 A
Maximum load current	10 A (the current is determined by the fuse used)
Nominal voltage	24 V
Nominal cross section	6 mm²
onnection cross sections directly pluggable	
Conductor cross section rigid	1 mm² 10 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm² 6 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	1 mm² 6 mm²

Dimensions

Width	12.3 mm
End cover width	2.2 mm
Height	77.7 mm
Depth	49.8 mm
Depth on NS 35/7,5	51.3 mm
Depth on NS 35/15	58.8 mm

Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V0
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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Thread type

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Mechanical data	
Open side panel	No
vironmental and real-life conditions	
Oscillation/broadband noise	
Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 2, bogie-mounted
Frequency	f ₁ = 5 Hz to f ₂ = 250 Hz
ASD level	6.12 (m/s²)²/Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed
Shocks	
Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed
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 %
ndards and regulations	
Connection in acc. with standard	IEC 60947-7-3
unting	
Mounting type	NS 35/7,5
	NS 35/15

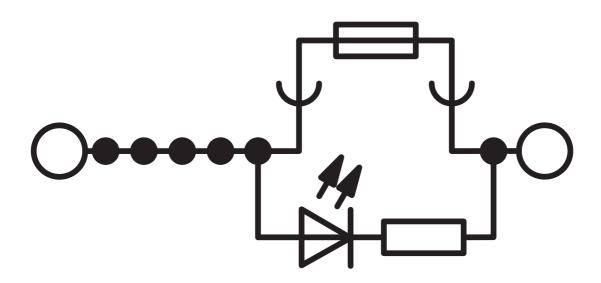


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Drawings

Circuit diagram

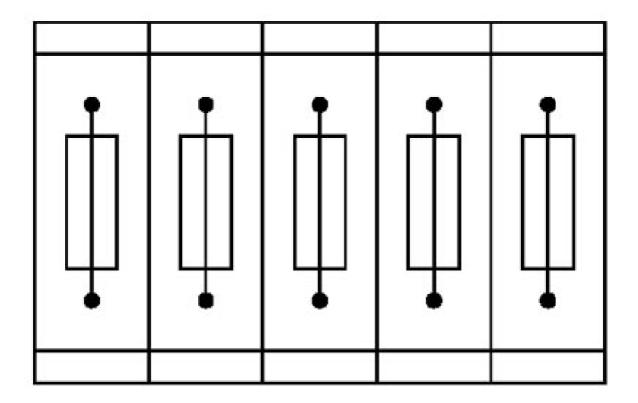




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Application drawing



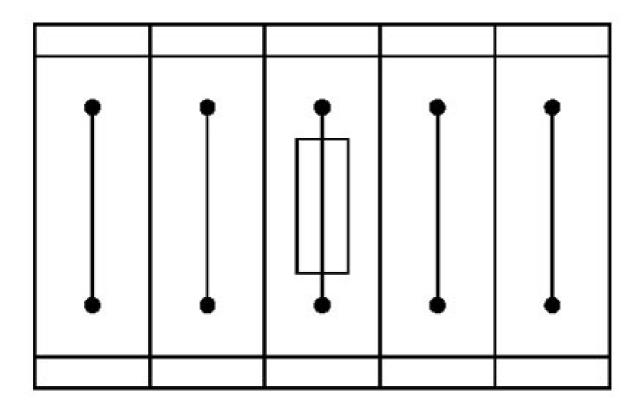
Fuse terminal blocks in interconnected arrangement, block consisting of 5 fuse terminal blocks



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Application drawing



Fuse terminal block in single arrangement, block consisting of one fuse terminal block and 4 feed-through terminal blocks



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Approvals

🎨 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3025046



cULus Recognized Approval ID: E60425					
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²	
Use group B					
	600 V	10 A	20 - 8	-	
Use group C					
	600 V	10 A	20 - 8	-	



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Classifications

ECLASS

UNSPSC 21.0

	ECLASS-11.0	27141116		
	ECLASS-12.0	27141116		
	ECLASS-13.0	27250113		
ETIM				
	ETIM 9.0	EC000899		
UN	SPSC			

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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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