

3211861

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 500 V, nominal current: 6.3 A, number of positions: 1, connection method: Push-in connection, Rated cross section: 4 mm^2 , cross section: 0.2 mm^2 - 6 mm^2 , mounting type: NS 35/7,5, NS 35/15, color: black

Your advantages

- · In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off
- The compact design and front connection enable wiring in a confined space

 space

 in a confined space

 in a
- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- · Tested for railway applications

Commercial data

Item number	3211861
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE2234
Product key	BE2234
Catalog page	Page 101 (C-1-2019)
GTIN	4046356482516
Weight per piece (including packing)	12.98 g
Weight per piece (excluding packing)	12.127 g
Customs tariff number	85369095
Country of origin	PL



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Technical data

Notes

General	The current is determined by the fuse used, the voltage by the light indicator.
General	
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
Area of application	Railway industry
	Machine building
	Plant engineering
Number of positions	1
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	6 kV
Maximum power dissipation for nominal condition	1.02 W
Fuse	G / 5 x 20
Maximum power dissipation	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)

Connection data

Number of connections per level	2
Nominal cross section	4 mm²
Stripping length	10 mm 12 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-3
Conductor cross section rigid	0.2 mm² 6 mm²
Cross section AWG	24 10 (converted acc. to IEC)



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Conductor cross section flexible	0.2 mm² 4 mm²
Conductor cross section, flexible [AWG]	24 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² 4 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 1 mm²
Nominal current	6.3 A (the current is determined by the fuse used)
Maximum load current	6.3 A (with 6 mm² conductor cross section, rigid)
Nominal voltage	500 V
Nominal cross section	4 mm²
Connection cross sections directly pluggable	
Conductor cross section rigid	0.5 mm² 6 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.75 mm² 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² 4 mm²

Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height	56 mm
Depth	57.3 mm
Depth on NS 35/7,5	64.8 mm
Depth on NS 35/15	72.3 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
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

Electrical tests

Surge voltage test

Test voltage setpoint	7.3 kV
Result	Test passed
Temperature-rise test	



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Requirement temperature-rise test		
Result	Requirement temperature-rise test	Increase in temperature ≤ 45 K
Power-frequency withstand voltage Test voltage setpoint 1.89 kV Result Test passed	Result	
Test voltage setpoint	Result	Test passed
Result	Power-frequency withstand voltage	
Mechanical properties Mechanical data Yes Mechanical tests Mechanical strength Result Test passed Attachment on the carrier Result Result Test passed Test for conductor damage and stackening 10 (4/- 2) rpm Rotation speed 10 (4/- 2) rpm Revolutions 135 Conductor cross section/weight 0 2 mm² / 0.2 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Result Test passed Environmental and real-life conditions Aging Temperature cycles 192 Result Test passed Needle-flame test Test passed Needle-flame test Test passed Oscillation/broadband noise Specification Specification DIN EN 50155 (VDE 0115-200):2022-06 Specification DIN EN 50155 (VDE 0115-200):2022-06 Specification 1, = 5 Hz to f ₂ = 250 Hz ASD level 6.12 (m/s ²)*Hz Acceleration 3.12g Test directions X, Y- and Z-axis	Test voltage setpoint	1.89 kV
Mechanical data Yes Acchanical tests Mechanical strength Result Test passed Attachment on the carrier Test or passed Result Test passed Test for conductor damage and slackening Test for conductor damage and slackening Rotation speed 10 (+/- 2) rpm Revolutions 135 Conductor cross section/weight 0.2 mm² / 0.2 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Result Test passed Environmental and real-life conditions 4 mm² / 0.9 kg Result Test passed Environmental and real-life conditions 192 Result Test passed Needle-flame test Test passed Needle-flame test Test passed Oscillation/broadband noise Specification Specification DIN EN 50155 (VDE 0115-200):2022-06 Specification DIN EN 50155 (VDE 0115-200):2022-06 Specification Long life test category 2, bogie-mounted Frequency 1, = 5 Hz to f, = 250 Hz ASD level 6.12 (m/s²)/Hz	Result	Test passed
Open side panel Yes Mechanical tests Mechanical strength Test passed Attachment on the carrier Test passed Result Test passed Test for conductor damage and slackening Rotation speed 10 (+/-2) rpm Revolutions 35 Conductor cross section/weight 0.2 mm² / 0.2 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Result Test passed Environmental and real-life conditions Aging Test passed Environmental and real-life conditions Aging 192 Result Test passed Needle-flame test Time of exposure Time of exposure 30 s Result Test passed Oscillation/broadband noise Specification Specification DIN EN 50155 (VDE 0115-200):2022-06 Spectrum Long life test category 2, bogie-mounted Frequency f, = 5 ltz to f, = 250 Hz Acceleration 3.12g Test duration per axis 5 h Test duration per axi	Mechanical properties	
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Test for conductor damage and slackening Rotation speed 10 (+/- 2) rpm Revolutions 135 Conductor cross section/weight 0.2 mm² / 0.2 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Result Test passed Environmental and real-life conditions Aging Temperature cycles Result Test passed Needle-flame test Time of exposure Time of exposure 30 s Result Test passed Oscillation/broadband noise Specification Spectrum Long life test category 2, bogie-mounted Frequency f₁ = 5 Hz to f₂ = 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
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Result Test passed	Conductor cross section/weight	
Result Test passed Aging Temperature cycles 192 Result Test passed Needle-flame test Time of exposure 30 s Result Test passed Oscillation/broadband noise Specification DIN EN 50155 (VDE 0115-200):2022-06 Spectrum Long life test category 2, bogie-mounted Frequency f ₁ = 5 Hz to f ₂ = 250 Hz ASD level 6.12 (m/s²)³/Hz Acceleration 3.12g Test duration per axis 5 h Test directions X-, Y- and Z-axis		
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Temperature cycles 192 Result Test passed Needle-flame test 30 s Time of exposure 30 s Result Test passed Oscillation/broadband noise DIN EN 50155 (VDE 0115-200):2022-06 Specification DIN EN 50155 (VDE 0115-200):2022-06 Spectrum Long 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	nvironmental and real-life conditions	
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Frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ Acceleration $3.12g$ Test duration per axis 5 h Test directions X -, Y - and Z -axis	Specification	DIN EN 50155 (VDE 0115-200):2022-06
ASD level 6.12 (m/s²)²/Hz Acceleration 3.12g Test duration per axis 5 h Test directions X-, Y- and Z-axis	Spectrum	Long life test category 2, bogie-mounted
Acceleration 3.12g Test duration per axis 5 h Test directions X-, Y- and Z-axis	Frequency	f ₁ = 5 Hz to f ₂ = 250 Hz
Test duration per axis 5 h Test directions X-, Y- and Z-axis	ASD level	6.12 (m/s²)²/Hz
Test directions X-, Y- and Z-axis	Acceleration	3.12g
	Test duration per axis	5 h
Result Test passed	Test directions	X-, Y- and Z-axis
	Result	Test passed



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Shocks

Specification	DIN EN 50155 (VDE 0115-200):2022-06
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 %

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

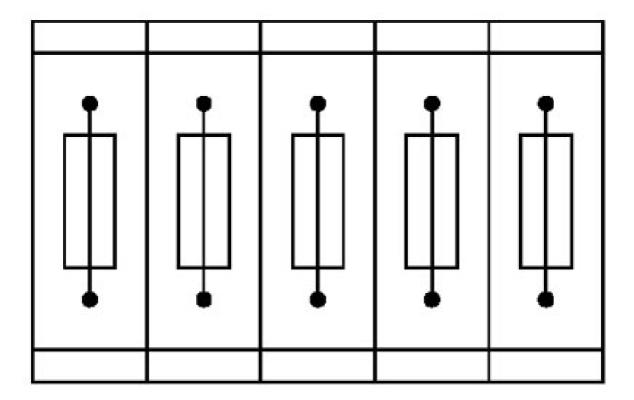


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Drawings

Application drawing



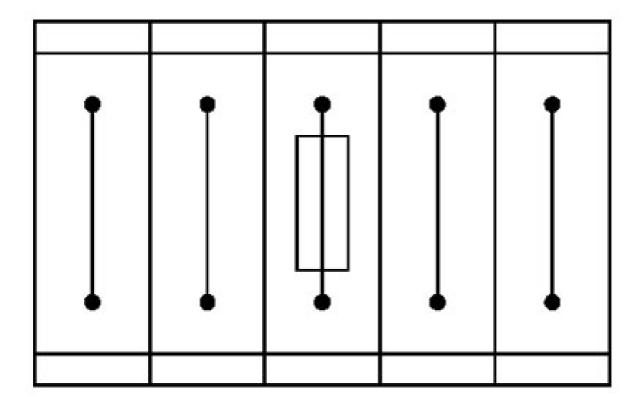
Fuse terminal blocks in interconnected arrangement, block consisting of 5 fuse terminal blocks



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Application drawing



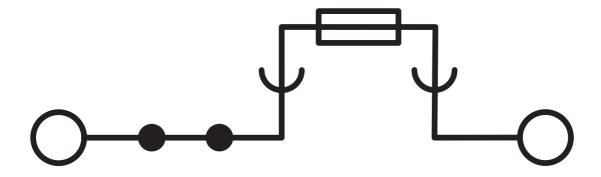
Fuse terminal block in single arrangement, block consisting of one fuse terminal block and 4 feed-through terminal blocks



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Circuit diagram





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Approvals

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Approval ID: TAE000010T

CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
Use group B				
	300 V	6.3 A	24 - 10	-
Use group C				
	300 V	6.3 A	24 - 10	-

CB scheme	IECEE CB Scheme
	Approval ID: NL-61565

EHE	EAC
LIIL	Approval ID: RU C-DE.BL08.B.00644

912 us	cULus Recognized
	Approval ID: E60425

Hovds Register	LR
Mallaca.	Approval ID: LR2371832TA

ClassNK	NK
	Approval ID: 14ME0912

(2)	PRS
	Approval ID: TE/2107/880590/21

81	cULus Recognized
c 911 us	Approval ID: F60425





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Classifications

EC	LASS

	ECLASS-13.0	27250113			
ETIM					
	ETIM 9.0	EC000899			
UNSPSC					
	LINCDCC 24 0	20404400			
	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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