

3036550

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 60 V, nominal current: 6.3 A, connection method: Spring-cage connection, 1 level, Rated cross section: 1 mm², cross section: 0.08 mm²- 6 mm², mounting type: NS 35/7,5, NS 35/15, color: black

Your advantages

- · An extremely compact design
- · Test pick-off on both sides in the fuse lever

Commercial data

Item number	3036550
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE02
Product key	BE2134
Catalog page	Page 231 (C-1-2019)
GTIN	4017918900571
Weight per piece (including packing)	15.31 g
Weight per piece (excluding packing)	15.31 g
Customs tariff number	85369095
Country of origin	TR



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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	1.02 W
Fuse	G / 5 x 20
LED voltage range	30 V AC/DC 60 V AC/DC
LED current range	0.4 mA 0.86 mA
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)

Input data

LED voltage range	30 V AC/DC 60 V AC/DC
LED voltage range	30 V AC/DC 60 V AC/DC

Connection data

Number of connections per level	2
Nominal cross section	4 mm ²
1 level	
Stripping length	8 mm 10 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-3
Conductor cross section rigid	0.08 mm² 6 mm²
Cross section AWG	28 10 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm² 4 mm²
Conductor cross section, flexible [AWG]	28 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² 4 mm ²
2 conductors with the same cross section, flexible, with TWIN	0.5 mm² 1 mm²



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ferrule with plastic sleeve	
Nominal current	6.3 A
Maximum load current	6.3 A (the current is determined by the fuse used)
Nominal voltage	60 V
Nominal cross section	1 mm ²

Dimensions

Width	6.2 mm
Height	61.5 mm
Depth on NS 35/7,5	62.5 mm
Depth on NS 35/15	70 mm

Material specifications

Color	black
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

Electrical tests

Surge voltage test	
Result	Test passed
Temperature-rise test	
Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Result	Test passed
Power-frequency withstand voltage	
Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data



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Mechanical strength Result Test passed Attachment on the carrier Result Test for conductor damage and slackening Test for conductor damage and slackening Rotation speed 10 (+/- 2) rpm Revolutions 135 Conductor cross section/weight 4 mm² / 0.9 kg Result Test passed		
Acceleration Test passed Result Test passed Attachment on the carrier Result Test passed Result Test passed Test for conductor damage and stackening 10 (+/- 2) rpn Revolutions 135 Conductor cross section/weight 4 mm² / 0 9 kg Result Test passed Temperature cycles 192 Result Test passed Neede-Stame test 30 s Time of exposure 30 s Result Test passed Oscillation/troadband noise Service life test category 2, bogie-mounted Prequency 5 - 250 Hz ASD level 6.12 (m/s?) ¹ Hz Acceleration 3.12g Test directions X, Y - and Z-axis Result Test passed Stocks Pulse shape Acceleration 3.12g Test directions X, Y - and Z-axis Result Test passed Stocks Test passed Pulse shape Half-sine Acceler	Open side panel	No
Result Test passed Attachment on the carrier Result Test passed Result Test passed Image: Conductor damage and stackening Retolution speed 10 (+/-2) rpm Revolutions 135 Conductor cross section/weight 4 mm² / 0.9 kg Result Test passed nvironmental and real-life conditions 35 Aging	lechanical tests	
Attachment on the carrier Result Test passed Test for conductor damage and slackening 10 (+/. 2) rpm Rotation speed 10 (+/. 2) rpm Revolutions 135 Conductor cross section/weight 4 rm ² / 0.9 kg Result Test passed nvironmental and real-life conditions 192 Result Test passed Temperature cycles 192 Result Test passed Needle-flame test Test passed Time of exposure 30 s Result Test passed Oscillaton/broadband noise Service life test category 2, bogie-mounted Frequency 5 - 250 Hz ASD level 6.12 (m/s ¹)/Hz Acceleration 3.12g Test directions X, Y- and Z-axis Result Test passed Shock Puese shape Puese shape Half-sine Acceleration 30 g Shock duration 18 ms Number of shocks per direction 3 Test directions X, Y- and Z-axis (pos. and neg.)) Result	Mechanical strength	
Result Test passed Test for conductor damage and slackening 10 (+/- 2) rpm Revolutions 135 Conductor cross section/weight 4 mm² / 0.9 kg Result Test passed normannental and real-life conditions 192 Result Test passed Aging 192 Temperature cycles 192 Result Test passed Needle-flame test 192 Result Test passed Oscillation/broadband noise 30 s Spectrum Service life test category 2, bogie-mounted Frequency 5 - 260 Hz ASD level 6.12 (m/s?)'Hz Acceleration 3.12g Test directions X-, Y- and Z-axis Resuit Test passed Shock 19 Pulse shape Half-sine Acceleration 3.0g Shock duration per axis 5 h Pulse shape Half-sine Acceleration 30g Shock duration 18 ms		Test passed
Result Test passed Test for conductor damage and slackening 10 (+/- 2) rpm Retation speed 10 (+/- 2) rpm Revolutions 135 Conductor cross section/weight 4 mm² / 0.9 kg Result Test passed nurironmental and real-life conditions Test passed Aging 192 Test passed 192 Result Test passed Needle-flame test 192 Time of exposure 30 s Result Test passed Oscillation/broadband noise Service life test category 2, bogle-mounted Spectrum Service life test category 2, bogle-mounted Prequency 5 - 250 Hz ASD level 6.12 (m/s?)Hz Acceleration 3.12g Test duration per axis 5 h Test duration per axis 5 h Test directions X, Y - and Z-axis Resuit Test passed Shock duration 18 ms Number of shocks per direction 3 Test directions X, Y - and Z-axis (pos.		
Test for conductor damage and slackening Rotation speed 10 (+/- 2) rpm Revolutions 135 Conductor cross section/weight 4 mm² / 0.9 kg Result Test passed nvironmental and real-life conditions 192 Result Test passed Noronmental and real-life conditions 192 Result Test passed Needle-fiame test 192 Time of exposure 30 s Result Test passed Oscillation/broadband noise 30 s Spectrum Service life test category 2, bogie-mounted Frequency 5 - 250 Hz ASD level 6.12 (m/s ²) ^A /Hz Acceleration 3.12g Test directions X, Y- and Z-axis Result Test passed Shock duration 18 ms Number of shocks per direction 3 Result Test passed Shock duration 18 ms Number of shocks per direction 3 Result Test passed Anbient conditions X, Y, and Z-axis (pos. and neg.) Result		
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Revolutions 135 Conductor cross section/weight 4 mm² / 0.9 kg Result Test passed nvironmental and real-life conditions	Test for conductor damage and slackening	
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Aging 192 Temperature cycles 192 Result Test passed Needle-frame test Time of exposure Result 30 s Result Test passed Oscillation/broadband noise Service life test category 2, bogie-mounted Frequency 5 - 250 Hz Abolevel 6.12 (m/s?)*Hz Acceleration 3.12g Test duration per axis 5 h Test duration per axis 5 h Result Test passed Shock duration 30g Shock duration 3 a Result Test passed Shock duration 18 ms Number of shocks per direction 3 Result Test passed Acceleration 3 Result Test passed Shock duration 18 ms Number of shocks per direction 3 Test directoms X-, Y- and Z-axis (pos. and neg.) Arbient conditions 25 °C 60 °C. In 0 °C (Operation gemperature, see RTI Elec.) -470 °C °C	Result	Test passed
Result Test passed Needle-flame test 30 s Time of exposure 30 s Result Test passed Oscillation/broadband noise Service life test category 2, bogie-mounted Spectrum Service life test category 2, bogie-mounted Frequency 5 - 250 Hz ASD level 6.12 (m/s ³) ⁴ Hz Acceleration 3.12g Test duration per axis 5 h Test directions X-, Y- and Z-axis Result Test passed Shocks Stocks 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	nvironmental and real-life conditions	
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Time of exposure 30 s Result Test passed Oscillation/broadband noise Service life test category 2, bogie-mounted Spectrum Service life test category 2, bogie-mounted Frequency 5 - 250 Hz ASD level 6.12 (m/s ⁿ) ⁿ /Hz Acceleration 3.12g Test directions X., Y. and Z.axis Result Test passed Shocks Fulse shape 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 Anbient conditions -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)	Result	Test passed
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Test directions X-, Y- and Z-axis Result Test passed Shocks 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 -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)		
Result Test passed Shocks 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		
Shocks 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 -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)		
Pulse shapeHalf-sineAcceleration30gShock duration18 msNumber of shocks per direction3Test directionsX-, Y- and Z-axis (pos. and neg.)ResultTest passedAmbient conditions-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)		
Acceleration30gShock duration18 msNumber of shocks per direction3Test directionsX-, Y- and Z-axis (pos. and neg.)ResultTest passedAmbient conditions-Co °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)	Shocks	
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 -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)	Pulse shape	Half-sine
Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Result Test passed Ambient conditions -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)		
Test directions X-, Y- and Z-axis (pos. and neg.) Result Test passed Ambient conditions -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)		18 ms
Result Test passed Ambient conditions -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 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)	Test directions	
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)	Result	Test passed
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 conditions	
+70 °C)	Ambient temperature (operation)	
Ambient temperature (assembly) -5 °C 70 °C	Ambient temperature (storage/transport)	
	Ambient temperature (assembly)	-5 °C 70 °C



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

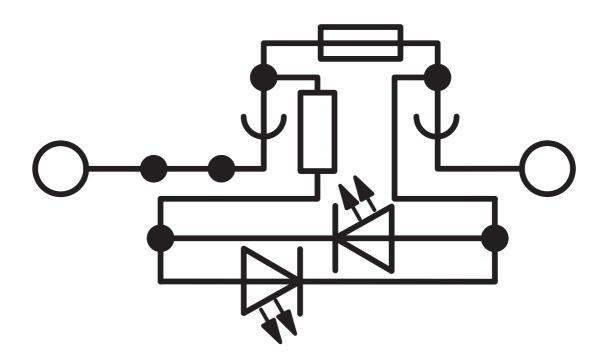


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Drawings

Circuit diagram

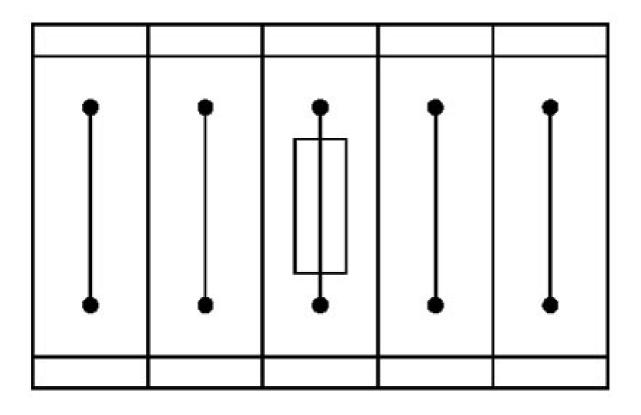




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Application drawing



Fuse terminal block in single arrangement,

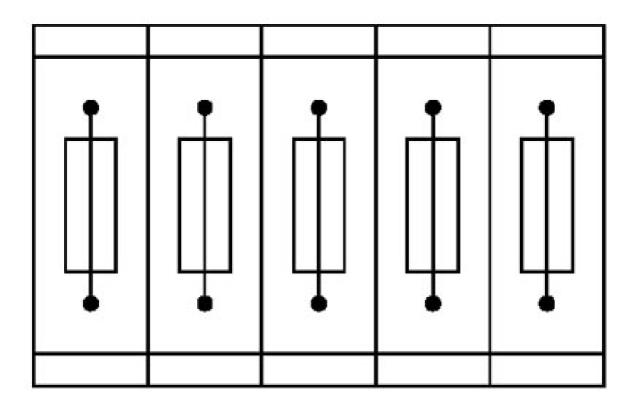
block consisting of one fuse terminal block and 4 feed-through terminal blocks



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Application drawing



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



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Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3036550

DNV Approval ID: TAE0000382	
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CSA Approval ID: 13631				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Use group B				
	300 V	10 A	28 - 10	-
Use group C				
	300 V	10 A	28 - 10	-



IECEE CB Scheme Approval ID: NL-65055

Approval ID. NE-05055					
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²	
	500 V	6.3 A	-	0.08 - 4	

ERC Approval ID: RU C-DE.BL08.B.00644

CULus Recognized Approval ID: E60425				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Use group B				
	300 V	10 A	28 - 10	-
Use group D				
	300 V	10 A	28 - 10	-

KEMA-KEUR Approval ID: 71-113330				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	500 V	6.3 A	-	0.08 - 4





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Classifications

ECLASS

ECLASS-11.0	27141116
ECLASS-12.0	27141116
ECLASS-13.0	27250113

ETIM

	ETIM 9.0	EC000899
U	NSPSC	
	UNSPSC 21.0	39121400



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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e	
	No hazardous substances above threshold values	

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