QTC 2,5-HESI (5X20) - Fuse modular terminal block

3050293

https://www.phoenixcontact.com/us/products/3050293

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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, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.5 mm^2 - 2.5 mm^2, mounting type: NS 35/7,5, NS 35/15, color: black

Your advantages

- Fast conductor connection thanks to the elimination of conductor pretreatment
- Large-area, gas-tight contact thanks to the automated cutting of the wire insulation
- Easy integration and replacement of fuses with the lever element
- Easy checking of the fuses with integrated test pick-offs
- High contact quality and vibration resistance thanks to the use of high-quality spring contact material
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories

Commercial data

Item number	3050293
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE03
Product key	BE3134
GTIN	4046356056137
Weight per piece (including packing)	17.235 g
Weight per piece (excluding packing)	17.235 g
Customs tariff number	85369095
Country of origin	CN

Technical data

Notes

Order information:	Fuse-link not supplied as standard
General	The current is determined by the fuse used, the voltage by the light indicator.

Product properties

Product type	Fuse terminal block
Area of application	Railway industry
	Machine building
	Plant engineering
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	0.77 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
Frequency of connections with the same cross section	100.00
Nominal cross section	2.5 mm²

1 level

Connection method	Quick connection
Connection in acc. with standard	IEC 60947-7-3
Conductor cross-section rigid	0.5 mm² ... 2.5 mm²
Cross section AWG	20 ... 14 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm² ... 2.5 mm²
Conductor cross-section, flexible [AWG]	20 ... 14 (converted acc. to IEC)

Nominal cross section	1.5 mm²
Nominal current	6.3 A
Maximum load current	6.3 A (the current is determined by the fuse used)
Nominal voltage	500 V

Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height	82.5 mm
Depth on NS 35/7,5	64.9 mm
Depth on NS 35/15	72.4 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

Cable/line

Wire diameter incl. insulation	3.8 mm

Mechanical properties

Mechanical data

Open side panel	Yes

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

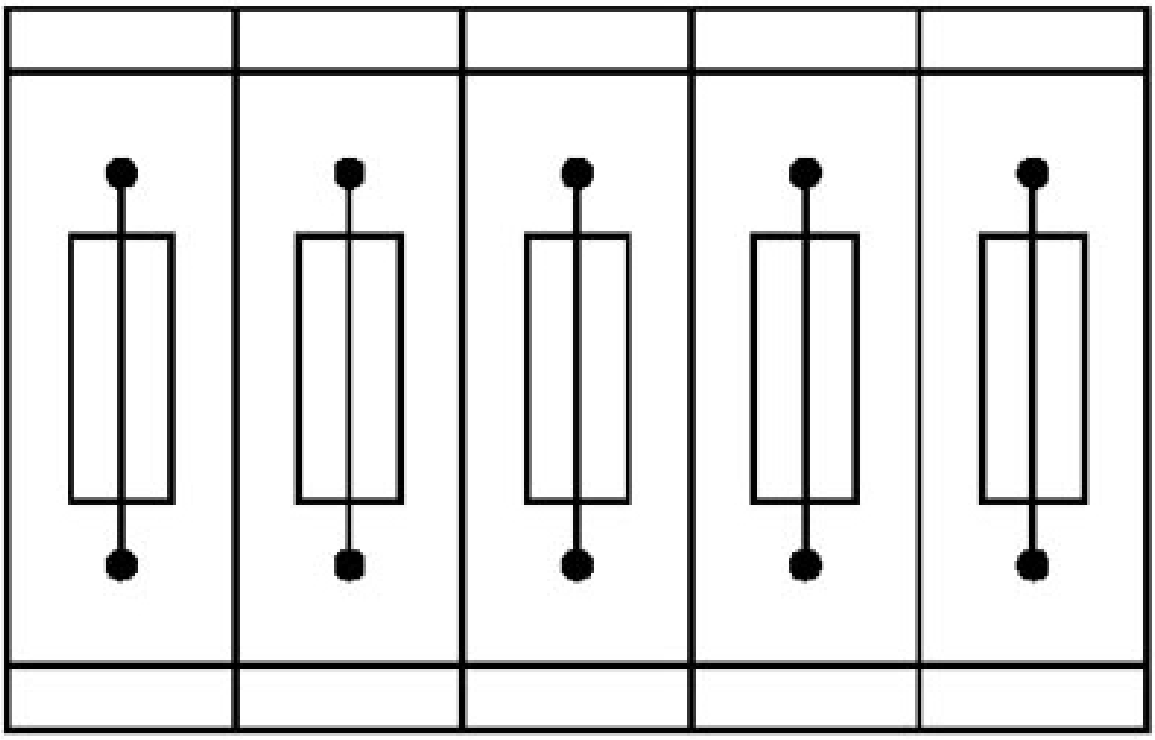
Connection in acc. with standard	IEC 60947-7-3

Mounting

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

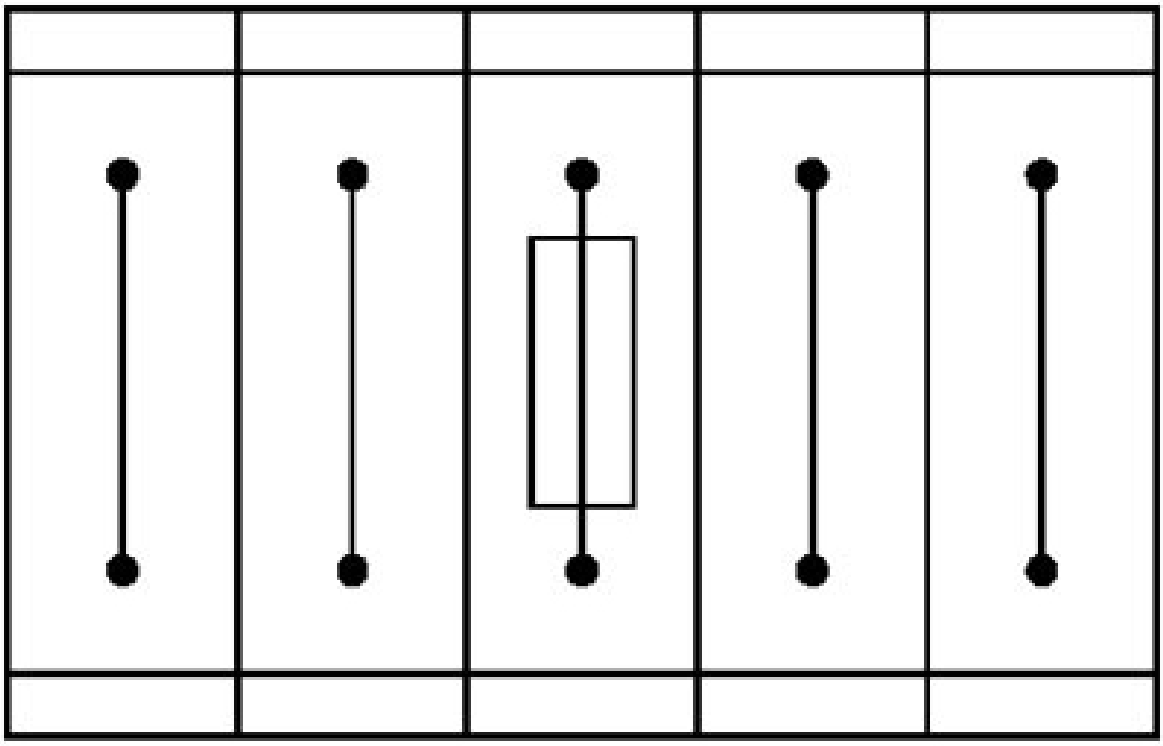
Drawings

Application drawing



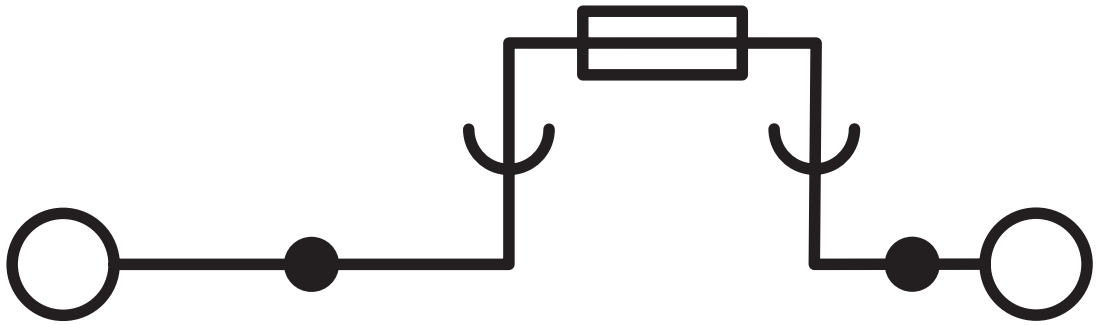
Fuse terminal blocks in interconnected arrangement,
block consisting of 5 fuse terminal blocks

Application drawing



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

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3050293

CSA
Approval ID: 158887

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	300 V	10 A	20 - 14	-
C				
	300 V	10 A	20 - 14	-

IECEE CB Scheme
Approval ID: NL-65057

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	500 V	6.3 A	-	0.5 - 2.5

EAC
Approval ID: RU C-DE.BL08.B.00539

cULus Recognized
Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	300 V	15 A	20 - 14	-
C				
	300 V	15 A	20 - 14	-

KEMA-KEUR
Approval ID: 71-113330

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	500 V	6.3 A	-	0.5 - 2.5

NK
Approval ID: 09 ME 139

ABS
Approval ID: 22-2196825-PDA

DNV
Approval ID: TAE000014H

Classifications

ECLASS

ECLASS-13.0	27250113
ECLASS-15.0	27250113

ETIM

ETIM 10.0	EC000899

UNSPSC

UNSPSC 21.0	39121400

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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