

ST 4-HESILA 250 (5X20) - Fuse modular terminal block



3036563

<https://www.phoenixcontact.com/sg/products/3036563>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 250 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	3036563
Packing unit	50 pc
Minimum order quantity	1 pc
Sales key	0165*
Product key	BE2134
Catalog page	Page 231 (C-1-2019)
GTIN	4017918890490
Weight per piece (including packing)	14.991 g
Weight per piece (excluding packing)	14.991 g
Customs tariff number	85369095
Country of origin	TR

ST 4-HESILA 250 (5X20) - Fuse modular terminal block



3036563

<https://www.phoenixcontact.com/sg/products/3036563>

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	110 V AC/DC ... 250 V AC/DC
LED current range	0.41 mA ... 0.96 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	110 V AC/DC ... 250 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 mm ² ... 6 mm ²
Cross section AWG	28 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm ² ... 4 mm ²
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 mm ² ... 1 mm ²

ST 4-HESILA 250 (5X20) - Fuse modular terminal block



3036563

<https://www.phoenixcontact.com/sg/products/3036563>

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	250 V
Nominal cross section	1 mm²

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 (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

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

ST 4-HESILA 250 (5X20) - Fuse modular terminal block



3036563

<https://www.phoenixcontact.com/sg/products/3036563>

Open side panel	No
-----------------	----

Mechanical tests

Mechanical strength

Result	Test passed
--------	-------------

Attachment on the carrier

Result	Test passed
--------	-------------

Test for conductor damage and slackening

Rotation speed	10 (+/- 2) rpm
Revolutions	135
Conductor cross section/weight	4 mm ² / 0.9 kg
Result	Test passed

Environmental and real-life conditions

Aging

Temperature cycles	192
Result	Test passed

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Spectrum	Long life test category 2, bogie-mounted
Frequency	5 - 250 Hz
ASD level	6.12 (m/s ²) ² /Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
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

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

ST 4-HESILA 250 (5X20) - Fuse modular terminal block



3036563

<https://www.phoenixcontact.com/sg/products/3036563>

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

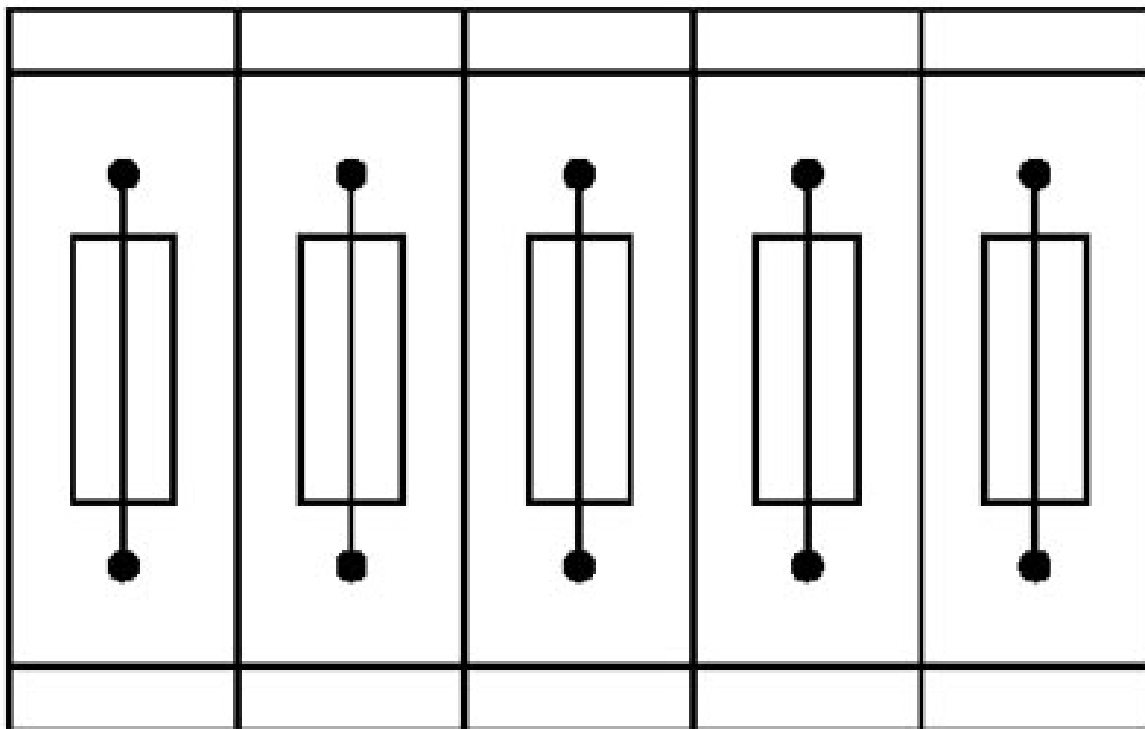
ST 4-HESILA 250 (5X20) - Fuse modular terminal block

3036563

<https://www.phoenixcontact.com/sg/products/3036563>

Drawings

Application drawing



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

ST 4-HESILA 250 (5X20) - Fuse modular terminal block

3036563

<https://www.phoenixcontact.com/sg/products/3036563>

Application drawing



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

ST 4-HESILA 250 (5X20) - Fuse modular terminal block

3036563

<https://www.phoenixcontact.com/sg/products/3036563>

Circuit diagram



ST 4-HESILA 250 (5X20) - Fuse modular terminal block



3036563

<https://www.phoenixcontact.com/sg/products/3036563>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3036563>

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	-

CB IECEE CB Scheme Approval ID: NL-65055				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	6.3 A	-	0.08 - 4

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

cULus 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

EAC Approval ID: EACKZ 08593				
---------------------------------	--	--	--	--

ST 4-HESILA 250 (5X20) - Fuse modular terminal block



3036563

<https://www.phoenixcontact.com/sg/products/3036563>

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000899
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

ST 4-HESILA 250 (5X20) - Fuse modular terminal block



3036563

<https://www.phoenixcontact.com/sg/products/3036563>

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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT SEA Pte. Ltd.

105 Eunos Avenue 3, #04-00

Singapore 409836

+65 6228 4900

marketing@phoenixcontact.com.sg