

PTTB 4-HESILED 60 (5X20) - Fuse modular terminal block



3211890

<https://www.phoenixcontact.com/sg/products/3211890>

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: 500 V, nominal current: 28 A, connection method: Push-in connection, 1 level, Rated cross section: 4 mm², cross section: 0.2 mm²- 6 mm², connection method: Push-in connection, 2nd level, Rated cross section: 4 mm², cross section: 0.2 mm²- 6 mm², mounting type: NS 35/7,5, NS 35/15, color: black

Your advantages

- The compact design and front connection enable wiring in a confined space

- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off
- 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

Commercial data

Item number	3211890
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	BE2234
Catalog page	Page 101 (C-1-2019)
GTIN	4055626047614
Weight per piece (including packing)	24.288 g
Weight per piece (excluding packing)	24.288 g
Customs tariff number	85369095
Country of origin	CN

PTTB 4-HESILED 60 (5X20) - Fuse modular terminal block



3211890

<https://www.phoenixcontact.com/sg/products/3211890>

Technical data

Notes

General	The current is determined by the fuse used, the voltage by the light indicator.
---------	---

Product properties

Product type	Fuse terminal block
Number of connections	4
Number of rows	2
Potentials	2

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
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
-------------------	---------------------------

Connection data

Number of connections per level	2
Nominal cross section	4 mm ²

1 level

Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm ² ... 6 mm ²
Cross section AWG	24 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 6 mm ²

PTTB 4-HESILED 60 (5X20) - Fuse modular terminal block



3211890

<https://www.phoenixcontact.com/sg/products/3211890>

Conductor cross section, flexible [AWG]	24 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 4 mm ²
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm ² ... 1 mm ²
Nominal current	28 A
Maximum load current	32 A (bei 6 mm ² Leiterquerschnitt starr)
Nominal voltage	500 V
Nominal cross section	4 mm ²

2nd level

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 mm ² ... 6 mm ²
Cross section AWG	24 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Nominal current	6.3 A
Maximum load current	6.3 A (the current is determined by the fuse used)
Nominal voltage	500 V
Nominal cross section	4 mm ²

1 level Connection cross sections directly pluggable

Conductor cross section rigid	0.5 mm ² ... 6 mm ²
Conductor cross section, rigid [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²

2nd level Connection cross sections directly pluggable

Conductor cross section rigid	0.5 mm ² ... 6 mm ²
Conductor cross section, rigid [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²

Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height	102.9 mm
Depth on NS 35/7,5	75.5 mm
Depth on NS 35/15	83 mm

PTTB 4-HESILED 60 (5X20) - Fuse modular terminal block



3211890

<https://www.phoenixcontact.com/sg/products/3211890>

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

Mechanical data

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

Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	$0.964 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	0.58g
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	5g
Shock duration	30 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;
---------------------------------	--

PTTB 4-HESILED 60 (5X20) - Fuse modular terminal block



3211890

<https://www.phoenixcontact.com/sg/products/3211890>

	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 60947-7-1
	IEC 60947-7-3

Mounting

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

PTTB 4-HESILED 60 (5X20) - Fuse modular terminal block

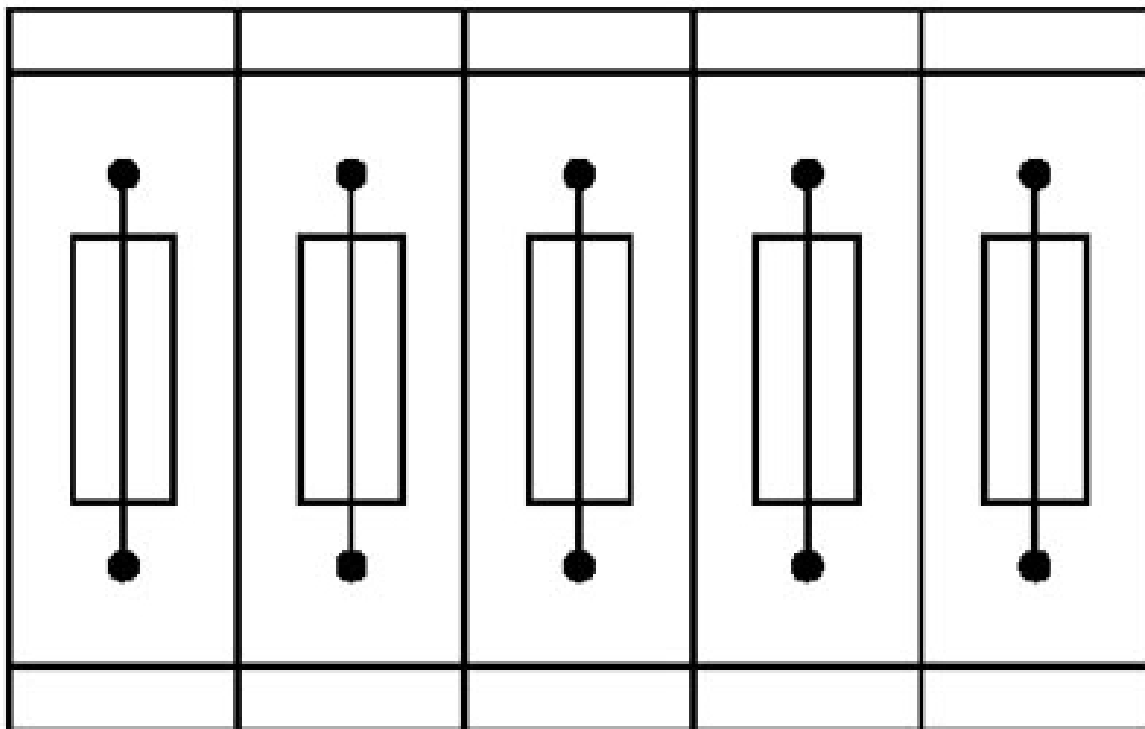


3211890

<https://www.phoenixcontact.com/sg/products/3211890>

Drawings

Application drawing



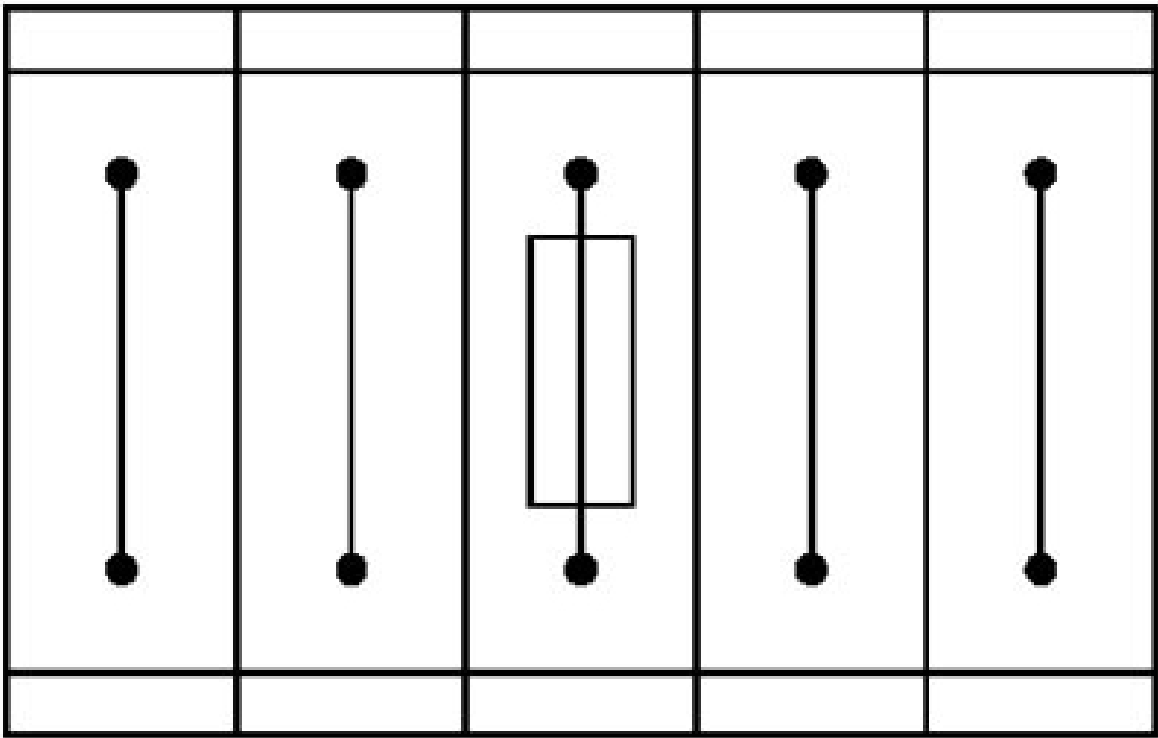
Fuse terminal blocks in interconnected arrangement,
block consisting of 5 fuse terminal blocks

PTTB 4-HESILED 60 (5X20) - Fuse modular terminal block



3211890
<https://www.phoenixcontact.com/sg/products/3211890>

Application drawing



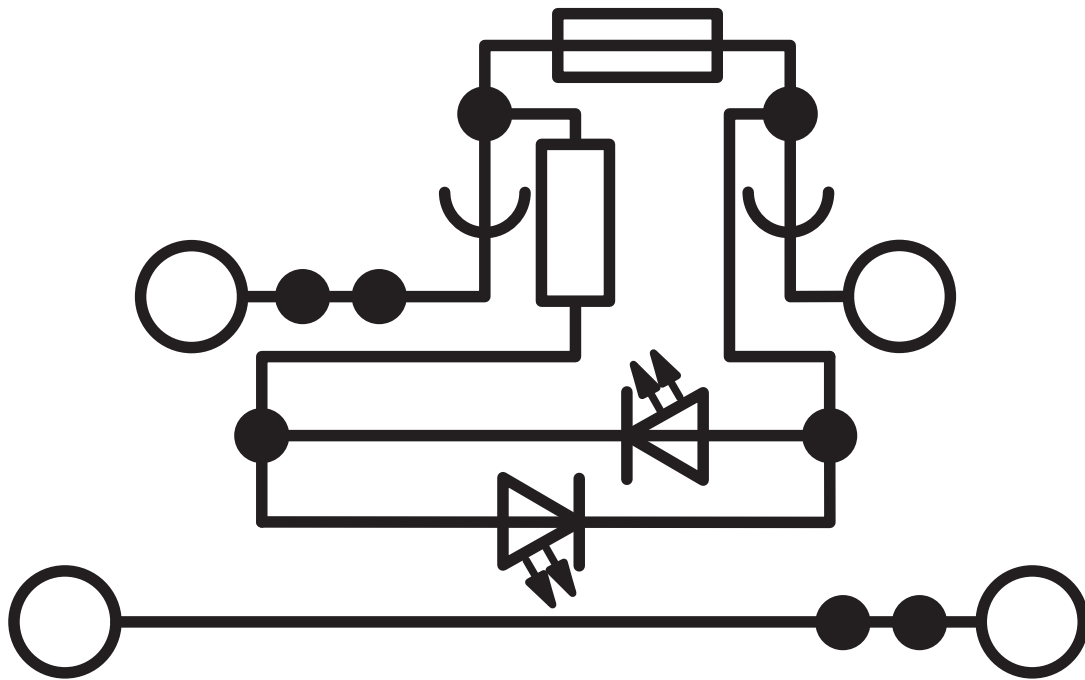
Fuse terminal block in single arrangement,
block consisting of one fuse terminal block and 4 feed-through terminal blocks

PTTB 4-HESILED 60 (5X20) - Fuse modular terminal block

3211890

<https://www.phoenixcontact.com/sg/products/3211890>

Circuit diagram



PTTB 4-HESILED 60 (5X20) - Fuse modular terminal block




3211890

<https://www.phoenixcontact.com/sg/products/3211890>

Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3211890>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
upper level	300 V	6.3 A	24 - 10	-
lower level	300 V	20 A	24 - 10	-
Use group C				
upper level	300 V	6.3 A	24 - 10	-
lower level	300 V	20 A	24 - 10	-
Use group D				
	600 V	5 A	24 - 10	-

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

 cULus Recognized Approval ID: E60425	
--	--

 cULus Recognized Approval ID: E60425	
--	--

 cULus Recognized Approval ID: E60425	
--	--

PTTB 4-HESILED 60 (5X20) - Fuse modular terminal block



3211890

<https://www.phoenixcontact.com/sg/products/3211890>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

PTTB 4-HESILED 60 (5X20) - Fuse modular terminal block



3211890

<https://www.phoenixcontact.com/sg/products/3211890>

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