

# Fuse modular terminal block - PT 4-PE/L/HESILED 250 (5X20) - 3002605

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., connection method: Push-in connection, cross section: 0.2 mm<sup>2</sup>- 6 mm<sup>2</sup>, AWG: 24 - 10, nominal current: 28 A, nom. voltage: 500 V, width: 6.2 mm, fuse type: G / 5 x 20, mounting type: NS 35/7,5, NS 35/15, color: black

## Your advantages

- ✓ Easy and tool-free direct plug-in thanks to push-in multi-conductor connection



## Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	
GTIN	4055626370200

## Technical data

### General

Note	The current is determined by the fuse used, the voltage by the selected LED. If the fuse is faulty, the downstream circuit will not be disconnected.
Number of levels	3
Number of connections	5
Nominal cross section	4 mm <sup>2</sup>
Color	black
Insulating material	PA
Flammability rating according to UL 94	V0
Maximum power dissipation for nominal condition	1.6 W (the value is multiplied when connecting multiple levels)
Fuse	G / 5 x 20
Fuse type	Glass / ceramics / ...
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III

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## Technical data

### General

Insulating material group	I
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)
LED voltage range	110 V AC/DC ... 250 V AC/DC
LED current range	0.41 mA ... 0.96 mA
Connection in acc. with standard	IEC 60947-7-3
Maximum load current	32 A
Nominal current $I_N$	28 A
Nominal voltage $U_N$	500 V
Connection in acc. with standard	IEC 60947-7-3
Maximum load current (upper level)	6.3 A (the current is determined by the fuse used)
Nominal current $I_N$ (upper level)	6.3 A
Nominal voltage $U_N$	250 V (the voltage is determined by the light indicator.)
Rated operating voltage	250 V
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Result of surge voltage test	Test passed
Surge voltage test setpoint	7.3 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of bending test	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.2 mm <sup>2</sup> / 0.2 kg
	4 mm <sup>2</sup> / 0.9 kg
	6 mm <sup>2</sup> / 1.4 kg
Tensile test result	Test passed
Conductor cross section tensile test	0.2 mm <sup>2</sup>
Tractive force setpoint	10 N
Conductor cross section tensile test	4 mm <sup>2</sup>
Tractive force setpoint	60 N
Conductor cross section tensile test	6 mm <sup>2</sup>

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## Technical data

### General

Tractive force setpoint	80 N
Short circuit stability result	Test passed
Conductor cross section short circuit testing	4 mm <sup>2</sup>
Short-time current	0.48 kA
Conductor cross section short circuit testing	6 mm <sup>2</sup>
Short-time current	0.72 kA
Result of aging test	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Oscillation, broadband noise test result	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz
ASD level	0.964 (m/s <sup>2</sup> ) <sup>2</sup> /Hz
Acceleration	0.58 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

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## Technical data

### Dimensions

Width	6.2 mm
Length	118.5 mm
Height NS 35/7,5	83.9 mm
Height NS 35/15	91.4 mm

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 130 °C
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### Connection data

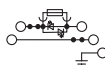
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Connection method	Push-in connection
Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A4

### Standards and Regulations

Connection in acc. with standard	IEC 60947-7-3
	IEC 60947-7-3
Flammability rating according to UL 94	V0
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

## Drawings

Circuit diagram



## Approvals

### Approvals

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## Approvals

### Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
	D	B	C
Nominal voltage UN	600 V	300 V	300 V
Nominal current IN	5 A	6.3 A	6.3 A
mm <sup>2</sup> /AWG/kcmil	24-10	24-10	24-10

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
	D	B	C
Nominal voltage UN	600 V	300 V	300 V
Nominal current IN	5 A	6.3 A	6.3 A
mm <sup>2</sup> /AWG/kcmil	24-10	24-10	24-10

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
	D	B	C
Nominal voltage UN	600 V	300 V	300 V
Nominal current IN	5 A	6.3 A	6.3 A
mm <sup>2</sup> /AWG/kcmil	24-10	24-10	24-10

EAC		RU C- DE.A*30.B.01742
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cULus Recognized	
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