

# PT 6-FSI/C-LED 12 - Fuse modular terminal block



3212169

<https://www.phoenixcontact.com/us/products/3212169>

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Fuse modular terminal block, fuse type: Flat, fuse type: Type C / max. 2.2 W, nom. voltage: 12 V, nominal current: 25 A, connection method: Push-in connection, Rated cross section: 6 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup>- 10 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: black

## Your advantages

- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off
- Quick identification of faulty fuses, thanks to LED status indicator
- Convenient testing of fuses with test pick-offs on both sides
- The easily accessible fuse inserts are easy to use or replace
- The compact design and front connection enable wiring in a confined space
- 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
- Suitable for all flat-type fuse-links designed according ISO 8820-3 (DIN 72581-3)

## Commercial data

Item number	3212169
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2236
Catalog page	Page 112 (C-1-2019)
GTIN	4055626394329
Weight per piece (including packing)	19.368 g
Weight per piece (excluding packing)	19.368 g
Customs tariff number	85369095
Country of origin	CN

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## Technical data

### Notes

General	The current is determined by the fuse used, the voltage by the selected LED display. Permissible continuous load in accordance with ISO 8820-2:2015 (E) is max. 70% of the nominal current of the fuse. For short-circuit protection use only.
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### 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	Flat
Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.31 W
Fuse	Type C / max. 2.2 W
LED voltage range	6 V DC ... 12 V DC (LED red)
LED current range	0.31 mA ... 0.95 mA

### Input data

LED voltage range	6 V DC ... 12 V DC (LED red)
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### Connection data

Number of connections per level	2
Nominal cross section	6 mm <sup>2</sup>
Rated cross section AWG	10
Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-3
Conductor cross section rigid	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> When using TWIN ferrules, we recommend a minimum ferrule length of 13 mm.
Nominal current	25 A (with 4 mm <sup>2</sup> conductor cross section)

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Maximum load current	30 A (In separate arrangement with 4 mm <sup>2</sup> conductor cross section)
Nominal voltage	12 V
Nominal cross section	6 mm <sup>2</sup>

## Connection cross sections directly pluggable

Conductor cross section rigid	1 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	1 mm <sup>2</sup> ... 6 mm <sup>2</sup>

## Dimensions

Width	8.2 mm
Height	74.1 mm
Depth	44 mm
Depth on NS 35/7,5	45.5 mm
Depth on NS 35/15	53 mm

## Material specifications

Color	black
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

## Mechanical properties

### Mechanical data

Open side panel	No
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## 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
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## Mounting

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

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## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC000899
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### UNSPSC

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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