

# Fuse plug - P-FU 5X20-5

3209235

<https://www.phoenixcontact.com/gb/products/3209235>

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Fuse plug, Suitable for terminal blocks with a width of 5.2 mm and above with TG zone, nom. voltage: 400 V, nominal current: 6.3 A, connection method: Plug-in connection, fuse type: G / 5 x 20, mounting type: Plug-in mounting, color: black

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## Your advantages

- Large-surface labeling option
- Versions with bipolar error display
- Test contacts on both sides of the fuse
- Can be used for overload/short-circuit protection

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## Commercial Data

Item number	3209235
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	BE2Z3X
Product Key	BE2Z3X
Catalog Page	Page 414 (C-1-2019)
GTIN	4046356548335
Weight per Piece (including packing)	5.07 g
Weight per Piece (excluding packing)	4.619 g
Customs tariff number	85369095
Country of origin	CN

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## Technical Data

### Notes

General	Suitable for terminal blocks with a width of 5.2 mm and above with TG zone
Notes on operation	Prior to replacing the cartridge fuse, disconnect the fuse connector from the basic terminal block.

### Product properties

Product type	Fuse
Pitch	5.2 mm
Potentials	1

### Insulation characteristics

Degree of pollution	3
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### Electrical properties

Fuse	G / 5 x 20
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### Connection data

Nominal current	6.3 A (the current is determined by the fuse used)
Maximum load current	6.3 A (the current is determined by the fuse used)
Nominal voltage	400 V (The voltage is determined by the fuse or selected LED display)

### Dimensions

Width	6.2 mm
Height	57.7 mm
Length	25 mm
Pitch	5.2 mm

### Material specifications

Color	black
Flammability rating according to UL 94	V0
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °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)	27,5 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed

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Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature 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 (storage/transport)	30 % ... 70 %

## Mounting

Mounting type	Plug-in mounting
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## Drawings

### Application drawing



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

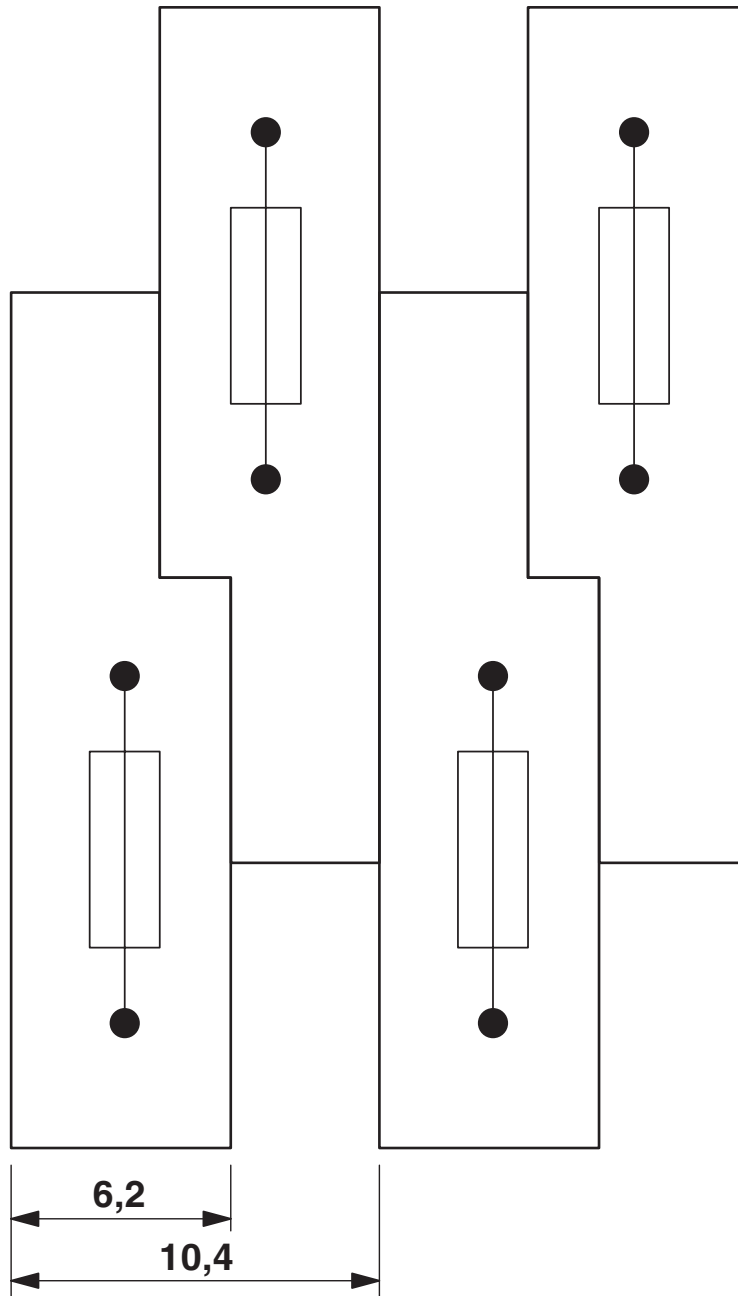
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Application drawing



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## Application drawing



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


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## Approvals

 CSA				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	300 V	10 A	-	-

 EAC				
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 cULus Recognized				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	300 V	10 A	-	-

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## Classifications

### ECLASS

ECLASS-9.0	27142001
ECLASS-10.0.1	27142001
ECLASS-11.0	27141149

### ETIM

ETIM 8.0	EC002018
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### UNSPSC

UNSPSC 21.0	39121600
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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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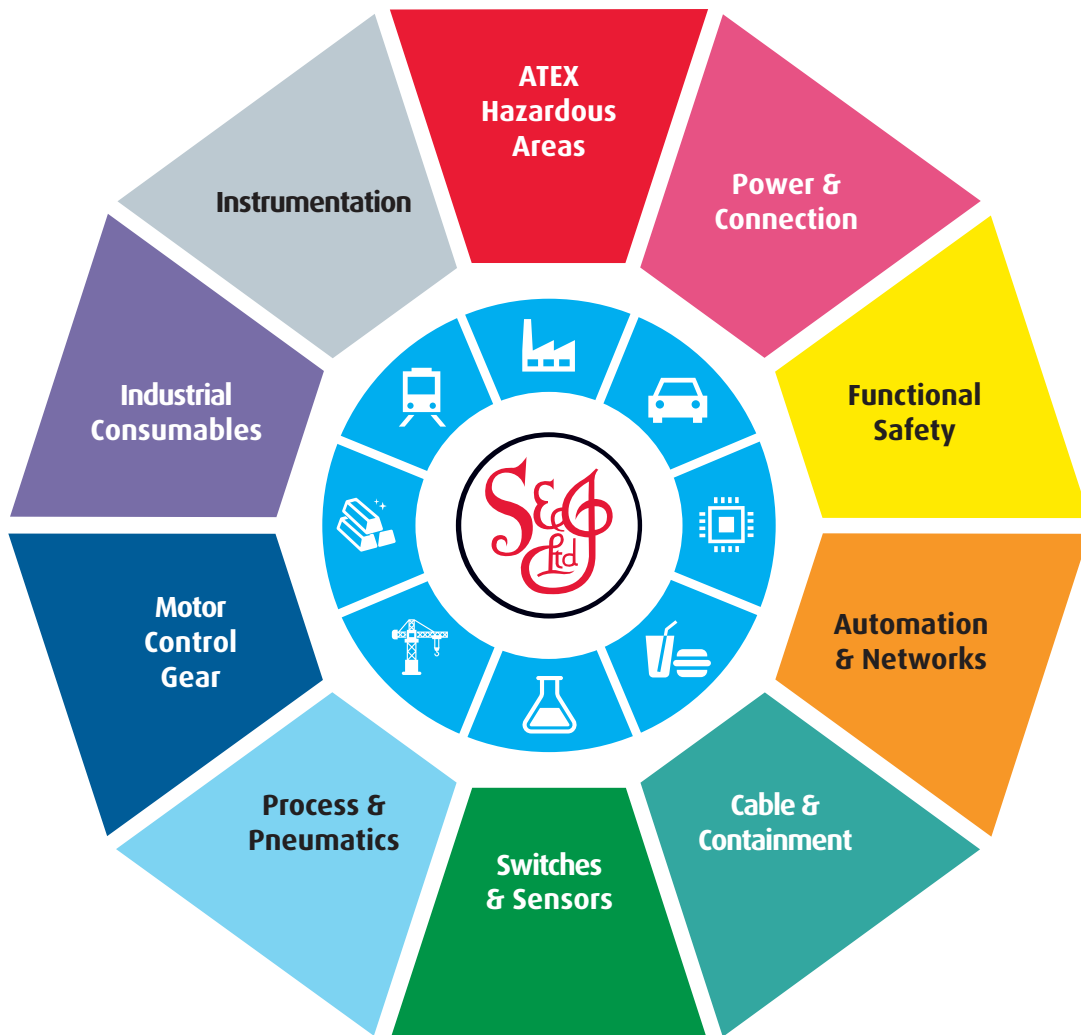
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