

P-FU 5X20 LED 60-EX - Fuse plug

3036823

<https://www.phoenixcontact.com/us/products/3036823>

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Fuse plug, nom. voltage: 500 V, nominal current: 6.3 A, fuse type: G / 5 x 20, color: black



Your advantages

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

Commercial data

Item number	3036823
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE29
Product key	BE2Z3X
GTIN	4046356919234
Weight per piece (including packing)	4.13 g
Weight per piece (excluding packing)	4.13 g
Customs tariff number	85369095
Country of origin	PL

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Technical data

Notes

Notes on operation	Prior to replacing the cartridge fuse, disconnect the fuse connector from the basic terminal block.
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Product properties

Product type	Fuse
Potentials	1

Insulation characteristics

Degree of pollution	3
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Electrical properties

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

Input data

LED voltage range	30 V AC/DC ... 60 V AC/DC
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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	500 V (The voltage is determined by the fuse or selected LED display)

Dimensions

Width	6.2 mm
Height	28 mm
Depth	25 mm
Length	28 mm

Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V0
Insulating material	PA
Static insulating material application in cold	-60 °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
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed

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Smoke gas toxicity NFPA 130 (SMP 800C)	passed
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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 %

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Drawings

Application drawing



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

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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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Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3036823>

 CSA Approval ID: 158887				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	300 V	10 A	-	-


 EAC Approval ID: RU C-DE.BL08.B.00714				
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 cUL Recognized Approval ID: E192998				
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 EAC Ex Approval ID: RU C-DE.Ax07.B.03227				
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 UL Recognized Approval ID: E192998				
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 CCC Approval ID: 2020322313000632				
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 UKCA-EX Approval ID: UL22UKEX2452U				
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 EAC Ex Approval ID: KZ 7500525010101950				
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Classifications

ECLASS

ECLASS-13.0	27250305
ECLASS-15.0	27250305

ETIM

ETIM 10.0	EC002018
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UNSPSC

UNSPSC 21.0	39121600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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EF3.1 Climate Change

CO2e kg	0.022 kg CO2e
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