FK1 MINI® STYLE BLADE FUSE RATED 32V

c**UL**us RoHS

Specifications

Insulating Body:	Out of thermoplastic (UL 94-V0, heat-resistant)
Interrupting Rating:	1000 A @32 VDC
Cover:	Out of thermoplastic (V0, transparent)
	Visible melting-element
	Shunt: Red, not transparent
Terminals:	Blade contacts
	Copper alloy, gal. Sn plated
	Edge-protected
Complies with:	ISO 8820-3:2002(E)
	UL 248 Special Purpose Fuses
cULus Recognized:	File No. E10480

Description

The FK1 32V automotive standard fuse link in a MINI® package. Three part construction with copper contacts for excellent reliability in harsh environment conditions with low voltage drop. Current ratings 1A thru 30A. See-through cover for easy detection of blown fuses.

Ordering Information

Part Number	Package Size
168.6785.xxx2	8000
168.6785.xxx7	50

Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)
110	360,000 s / –
135	0.75 s / 1,800 s
200	0.15 s / 5 s
350	0.040 s / 0.500 s
600	0.020 s / 0.100 s

Ratings

Part Number	Current Rating	Housing Color	Typ. Voltage Drop	Cold Resistance	I²t
168.6785.410_	1A	(black)	135 mV	100 mΩ	0.83 A²s
168.6785.420_	2A	(gray)	110 mV	43.0 mΩ	3.31 A²s
168.6785.430_	3A	(violet)	110 mV	27.0 mΩ	7.45 A²s
168.6785.440_	4A	(pink)	110 mV	21.3 mΩ	16.7 A²s
168.6785.450_	5A	(tan)	105 mV	16.2 mΩ	19.8 A²s
168.6785.475_	7.5A	(brown)	100 mV	9.70 mΩ	44.5 A²s
168.6785.510_	10A	(red)	110 mV	7.40 mΩ	79.2 A²s
168.6785.515_	15A	(blue)	105 mV	4.50 mΩ	178 A²s
168.6785.520_	20A*	(yellow)	100 mV	3.10 mΩ	331 A²s
168.6785.525_	25A*	(white)	120 mV	2.60 mΩ	653 A²s
168.6785.530_	30A*	(green)	105 mV	1.95 mΩ	1,264 A²s
160.6785.000_	Shunt*	(clear/red)	60 mV	1.35 mΩ	1,800 A²s

* No UL Certification Available
Corresponding holder see Section "Fuse Holders."

Littelfuse®

Expertise Applied | Answers Delivered

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Dimensions

Dimensions in mm

11.9max.

16.2

5.2

2.8

3.8

1.7max.

7.6

0.83

2.4

3

Cover transparent
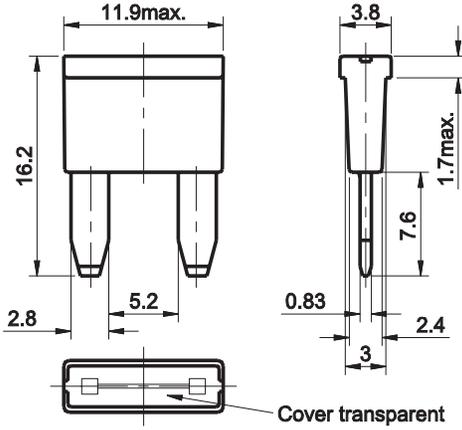
Pre-Arcing Time-Limits

t(sec)

I/I_N
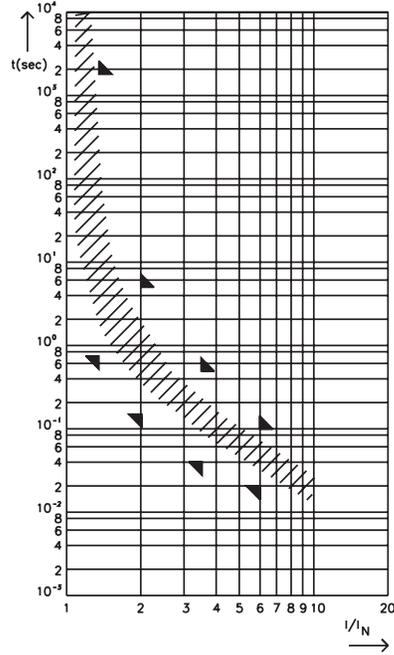
FI = 1.33 (max. operating current: 0.75 x I_{rat} at 23°C)

Mouser Electronics

Authorized Distributor

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[168.6785.4752](#) [168.6785.4107](#) [168.6785.4202](#) [168.6785.4502](#) [168.6785.4302](#) [168.6785.4207](#) [168.6785.4757](#)
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