

Cylinder Fuses

Cylinder Fuses are typically used in industrial applications to protect electrical devices such as motors, drives, etc.

They are available in four sizes with a current range from 1 to 100 Amps. Cylinder Fuses have metal caps at both ends, and a porcelain fuse body.

Please refer to the last page for information on our Cylinder Fuse Holders.

Operating Class

GI / gL / gG - Line Protection

Slow Blow, typically used for power distribution and resistive loads.

*Typical Markings: gL, gG
Black imprint.*

AM - Motor Protection

Fast acting short circuit protection, but slow acting overload protection.

*Typical Marking: aM
Green imprint.*

Breaking Capacity

C8 x 32	50kA
C10 x 38	100kA
C14 x 51	80kA (2-25A) 120kA (32-50A)
C22 x 58	80kA (16-40A) 80kA (50-AM) 12kA (50-100A)

Contact Material CuZn28, gal.Ag



Safety Standards

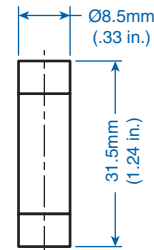
IEC 60269-1
IEC 602-2

* Selected fuse are also available with Striker Pin. When ordering Fuse with Striker Pin, designate suffix "/IS" after the Cat. No. (Ex. 2C14x51GI/IS). Contact Altech for more information.



8 x 32

Ordering Information	Current/ Voltage	Cat. No.	Std. Pk.
Slow Blow - Operating Class GI / gL / gG Line Protection			
	1/400V AC	1C8x32GI	10
	2/400V AC	2C8x32GI	10
	4/400V AC	4C8x32GI	10
	6/400V AC	6C8x32GI	10
	8/400V AC	8C8x32GI	10
	10/400V AC	10C8x32GI	10
	12/400V AC	12C8x32GI	10
	16/400V AC	16C8x32GI	10
	20/400V AC	20C8x32GI	10
	25/400V AC	25C8x32GI	10
Weight: 4 g each			
Fast Blow - Operating Class aM Motor Protection			
	1/400V AC	1C8x32AM	10
	2/400V AC	2C8x32AM	10
	4/400V AC	4C8x32AM	10
	6/400V AC	6C8x32AM	10
	8/400V AC	8C8x32AM	10
	10/400V AC	10C8x32AM	10
	12/400V AC	12C8x32AM	10
	16/400V AC	16C8x32AM	10
	20/400V AC	20C8x32AM	10
	25/400V AC	25C8x32AM	10
Weight: 4 g each			



Dimensions to NFC 61200, NFC 63210, NFC 63211 (NFC = French Standard)



10 x 38



14 x 51



22 x 58

Current/ Voltage	Cat. No.	Std. Pk.
0.5/500V AC	0.5C10x38GI	10
1/500V AC	1C10x38GI	10
2/500V AC	2C10x38GI	10
4/500V AC	4C10x38GI	10
6/500V AC	6C10x38GI	10
8/500V AC	8C10x38GI	10
10/500V AC	10C10x38GI	10
12/500V AC	12C10x38GI	10
16/500V AC	16C10x38GI	10
20/400V AC	20C10x38GI	10
25/400V AC	25C10x38GI	10
32/400V AC	32C10x38GI	10

Weight: 7.5 g each

0.5/500V AC	0.5C10x38AM	10
1/500V AC	1C10x38AM	10
2/500V AC	2C10x38AM	10
4/500V AC	4C10x38AM	10
6/500V AC	6C10x38AM	10
8/500V AC	8C10x38AM	10
10/500V AC	10C10x38AM	10
12/500V AC	12C10x38AM	10
16/500V AC	16C10x38AM	10
20/400V AC	20C10x38AM	10
25/400V AC	25C10x38AM	10
32/400V AC	32C10x38AM	10

Weight: 7.5 g each

Current/ Voltage	Cat. No.	Std. Pk.
2/690V AC	2C14x51GI *	10
4/690V AC	4C14x51GI *	10
6/690V AC	6C14x51GI *	10
8/690V AC	8C14x51GI *	10
10/690V AC	10C14x51GI *	10
12/690V AC	12C14x51GI *	10
16/690V AC	16C14x51GI *	10
20/690V AC	20C14x51GI *	10
25/690V AC	25C14x51GI *	10
32/500V AC	32C14x51GI	10
40/500V AC	40C14x51GI	10
50/500V AC	50C14x51GI	10

Weight: 19 g each

1/660V AC	1C14x51AM	10
2/690V AC	2C14x51AM *	10
4/690V AC	4C14x51AM *	10
6/690V AC	6C14x51AM *	10
8/690V AC	8C14x51AM *	10
10/690V AC	10C14x51AM *	10
12/690V AC	12C14x51AM *	10
16/690V AC	16C14x51AM *	10
20/690V AC	20C14x51AM *	10
25/690V AC	25C14x51AM *	10
32/500V AC	32C14x51AM	10
40/500V AC	40C14x51AM	10
50/500V AC	50C14x51AM	10

Weight: 19 g each

Current/ Voltage	Cat. No.	Std. Pk.
6/660V AC	6C22x58GI **	10
8/660V AC	8C22x58GI **	10
10/660V AC	10C22x58GI **	10
12/660V AC	12C22x58GI **	10
16/690V AC	16C22x58GI *	10
20/690V AC	20C22x58GI *	10
25/690V AC	25C22x58GI *	10
32/690V AC	32C22x58GI *	10
40/690V AC	40C22x58GI *	10
50/500V AC	50C22x58GI *	10
63/500V AC	63C22x58GI *	10
80/500V AC	80C22x58GI *	10
100/500V AC	100C22x58GI *	10

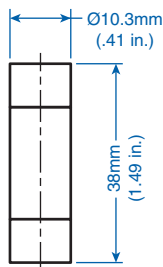
Weight: 51 g each

6/660V AC	6C22x58AM **	10
8/660V AC	8C22x58AM **	10
10/660V AC	10C22x58AM **	10
12/660V AC	12C22x58AM **	10
16/690V AC	16C22x58AM *	10
20/690V AC	20C22x58AM *	10
25/690V AC	25C22x58AM *	10
32/690V AC	32C22x58AM *	10
40/690V AC	40C22x58AM *	10
50/690V AC	50C22x58AM *	10
63/690V AC	63C22x58AM *	10
80/500V AC	80C22x58AM *	10
100/500V AC	100C22x58AM *	10

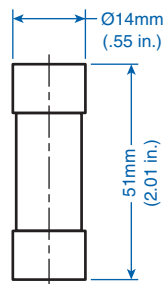
Weight: 51 g each

* Also available with striker pin.

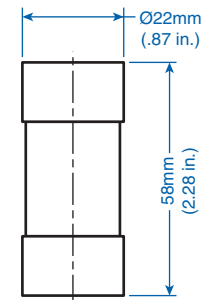
* Also available with striker pin.
** Only with striker pin.



Dimensions to NFC 60200, NFC 63210, NFC 63211 (NFC = French Standard)



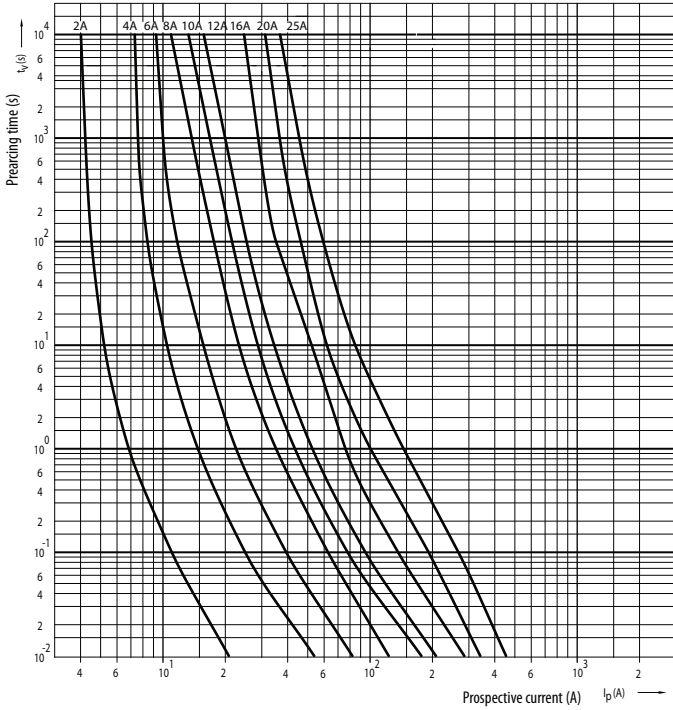
Dimensions to NFC 60200, NFC 63210, NFC 63211 (NFC = French Standard)



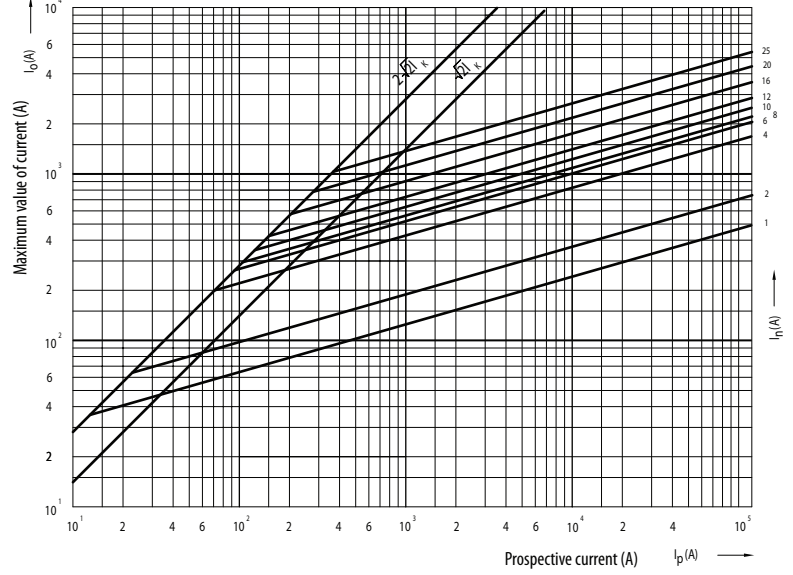
Dimensions to NFC 60200, NFC 63210, NFC 63211 (NFC = French Standard)

Technical Data for GI / gL / gG Type, C8 x 32

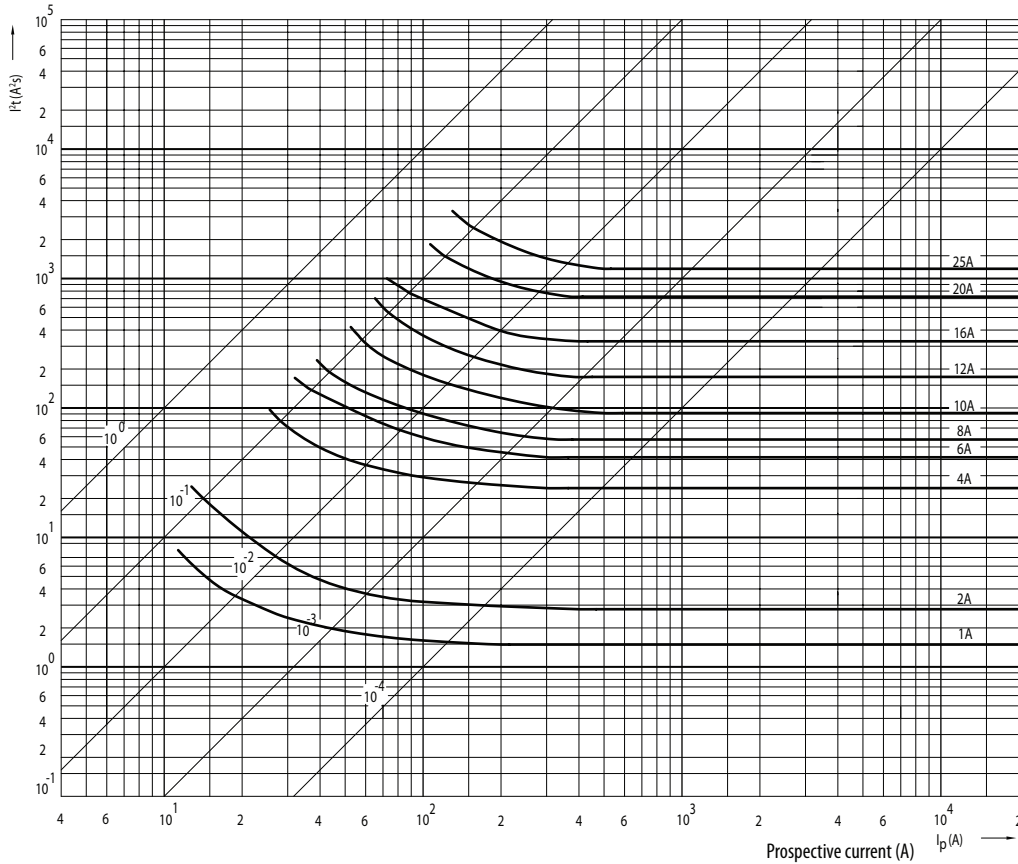
Time Current Characteristics I/t



Cut-off Current Characteristics I_p^2t

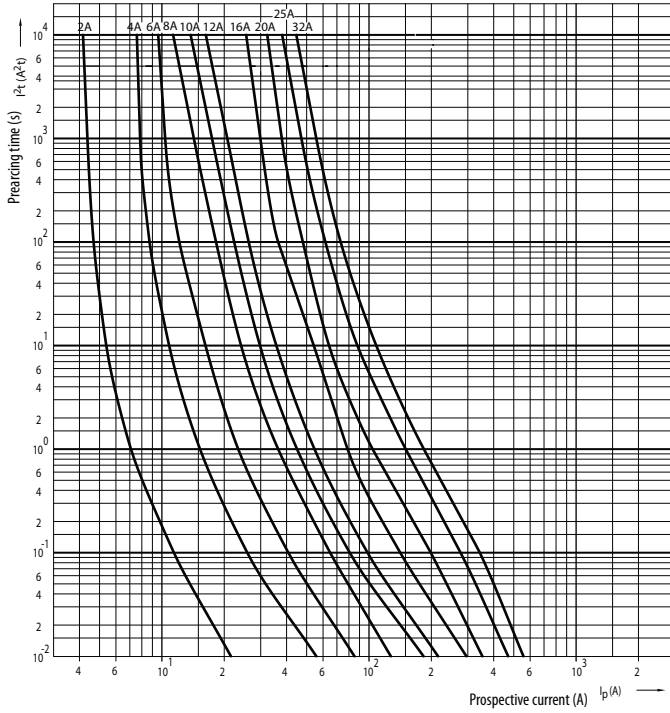


Melting Energy Characteristics I^2t

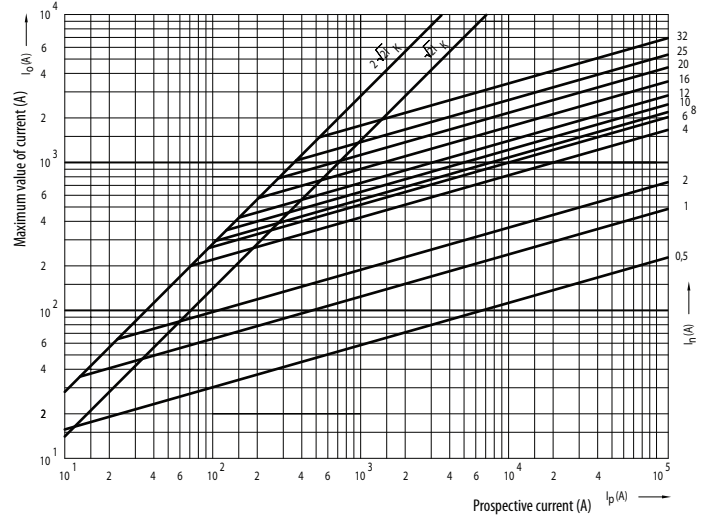


Technical Data for GI / gL / gG Type, C10 x 38

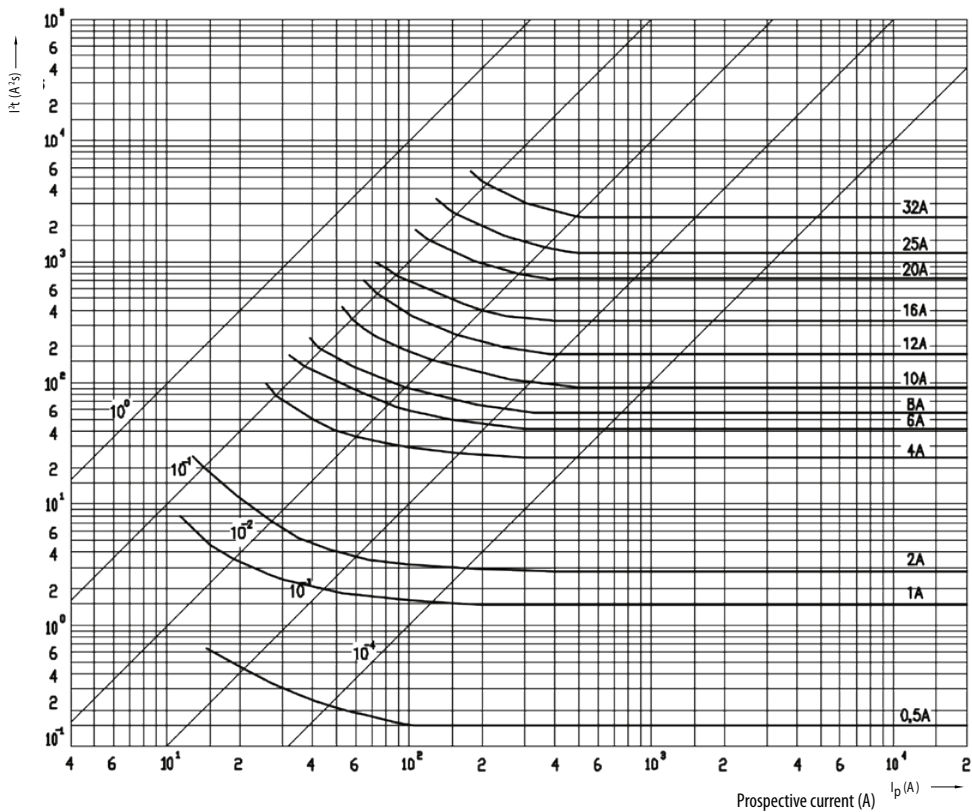
Time Current Characteristics I²t



Cut-off Current Characteristics I²t

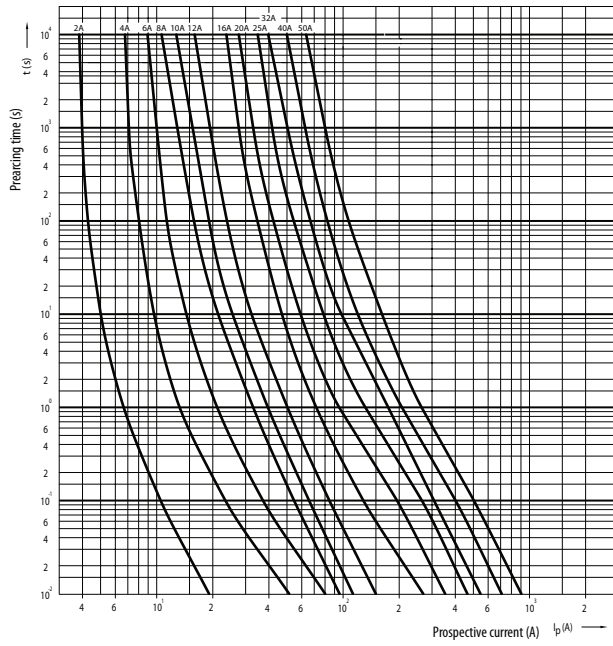


Melting Energy Characteristics I²t

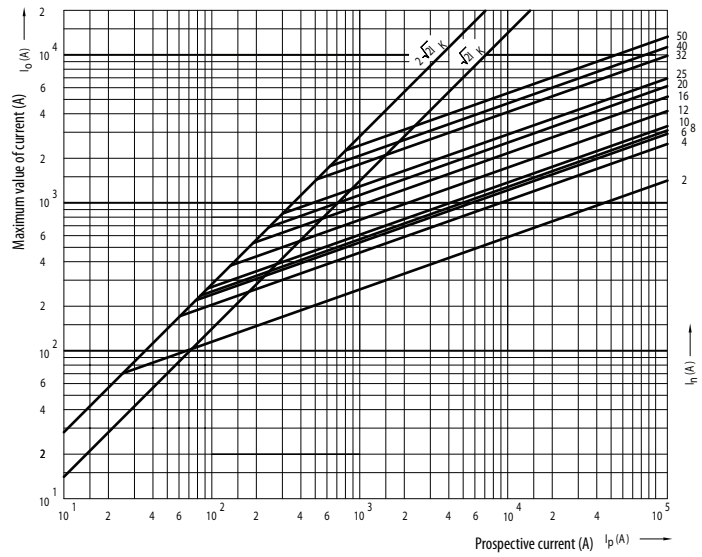


Technical Data for GI / gL / gG Type, C14 x 51

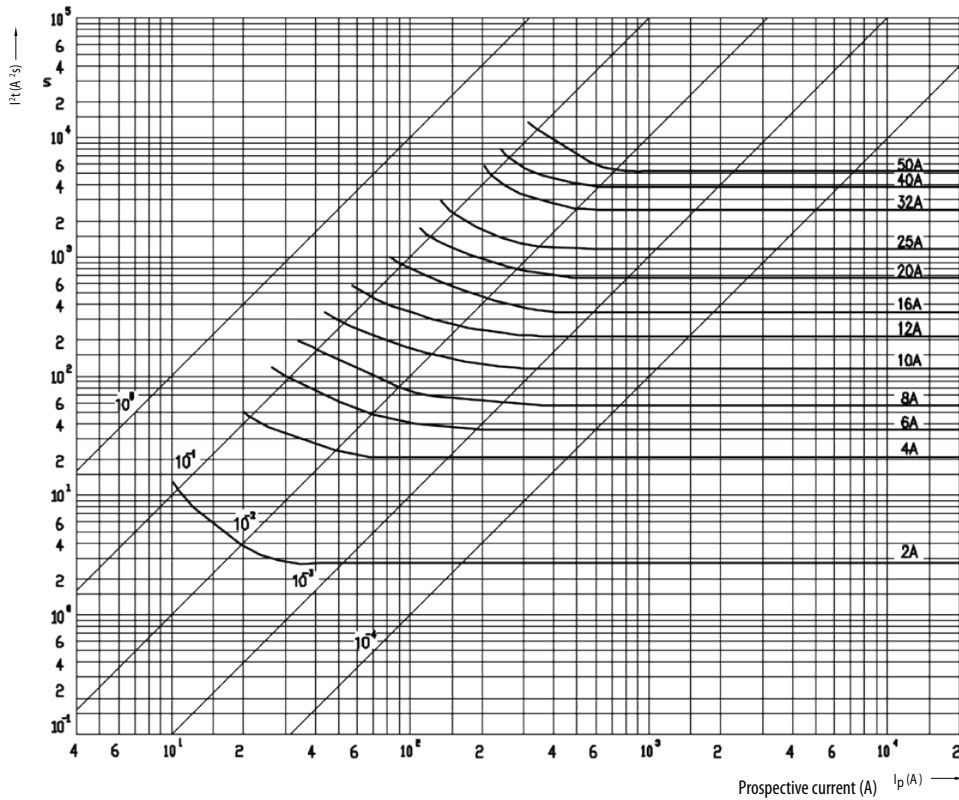
Time Current Characteristics I/t



Cut-off Current Characteristics I/t

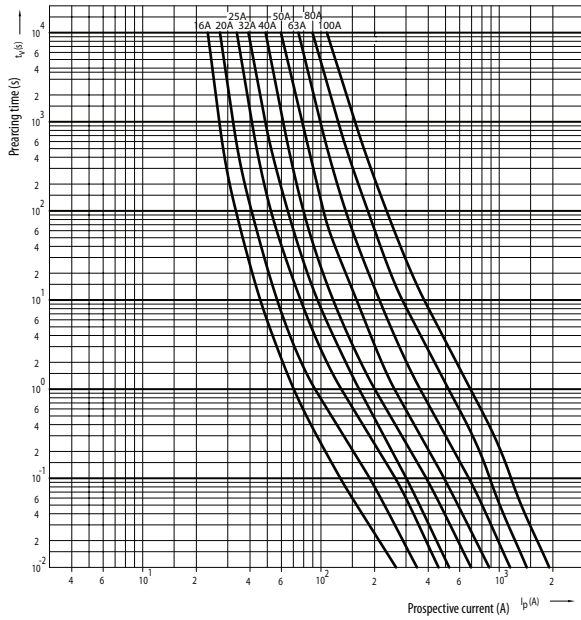


Melting Energy Characteristics I²t

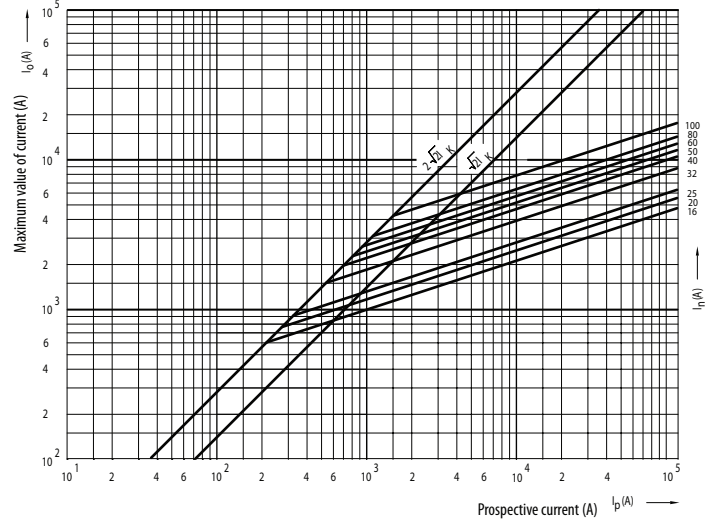


Technical Data for GI / gL / gG Type, C22 x 58

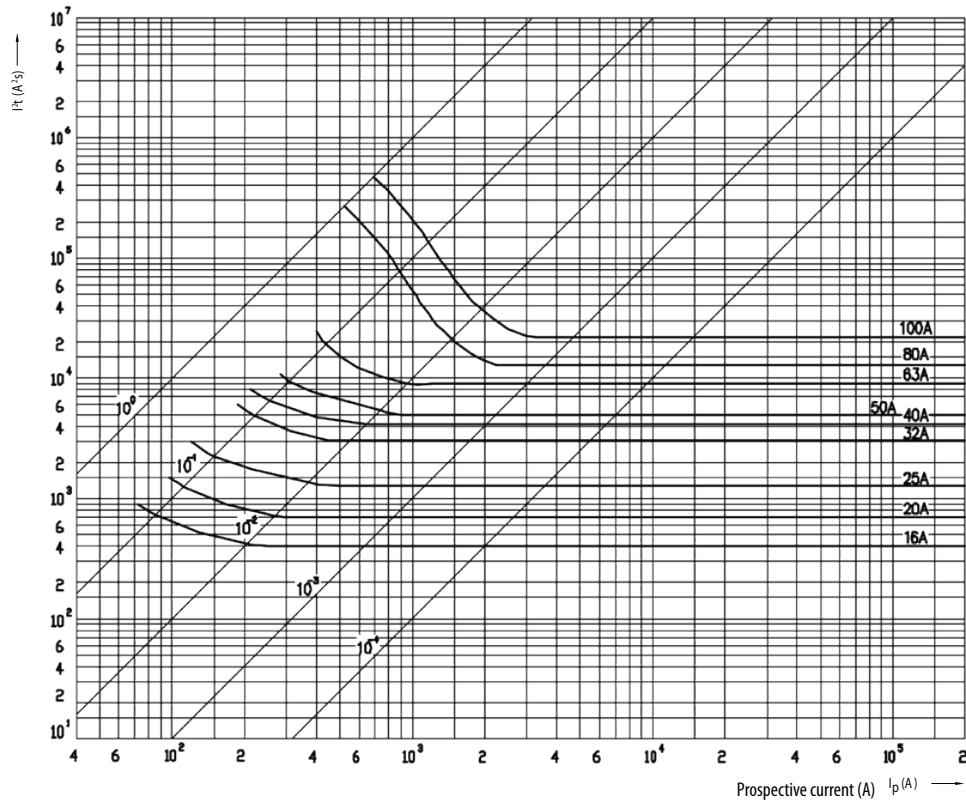
Time Current Characteristics I/t



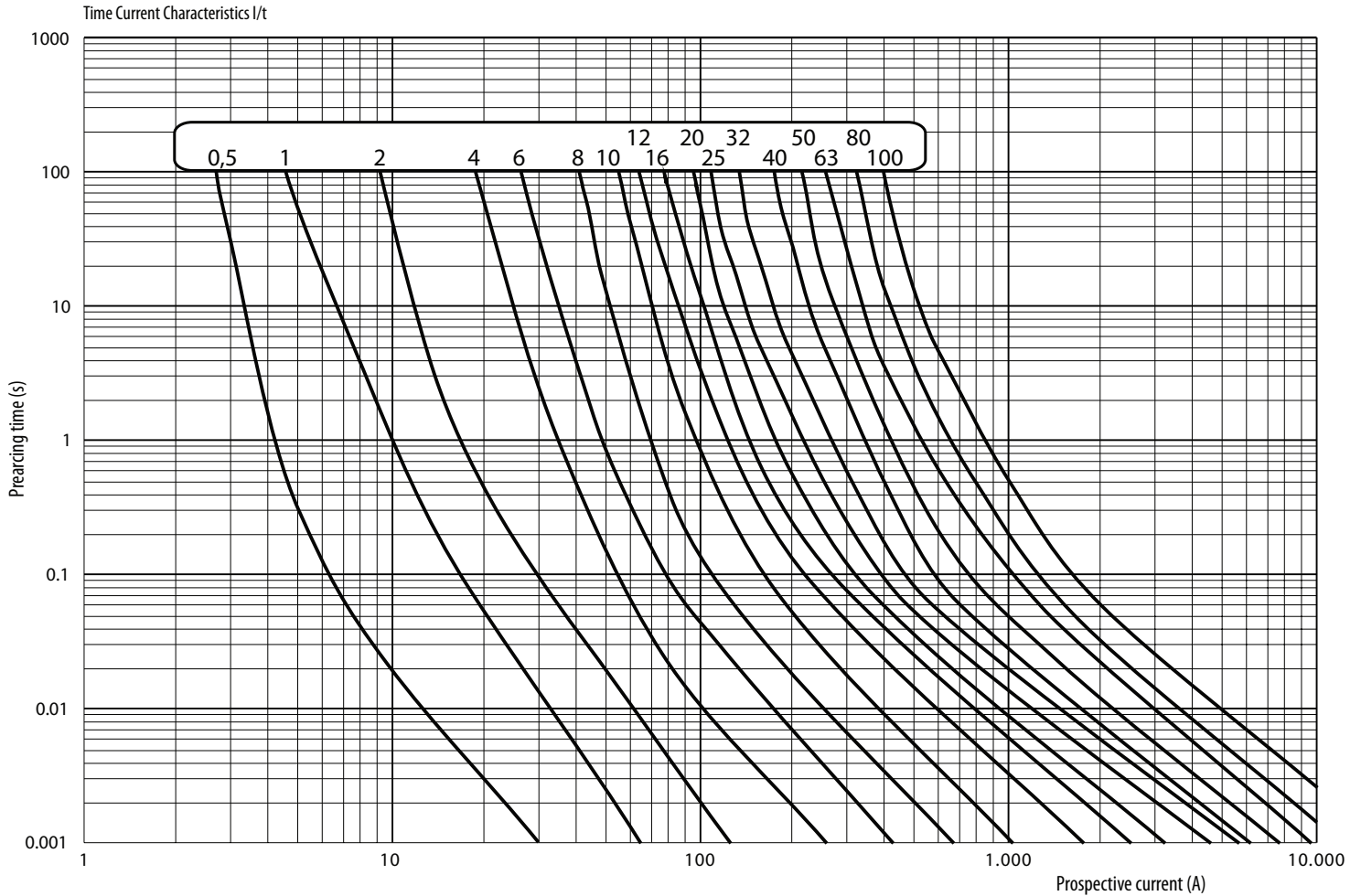
Cut-off Current Characteristics I/t



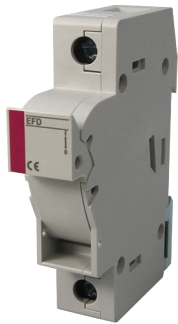
Melting Energy Characteristics I²t



Technical Data for AM Type: C8 x 32, C10 x 38, C14 x 51, C22 x 58



A Broad Selection of Fuse Holders



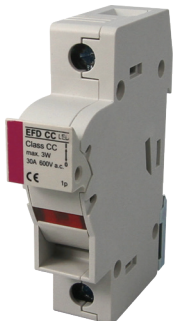
10x38 Midget

- UL Rating: 30A; 600V AC/DC
- IEC Rating: 32A; 690V AC/DC
- Pole configuration: 1; 1+N ; 2, 3, 3+N
- SCR rating: 200KA max.
- Indication: Optional blown fuse LED
- Fuse class: Supplemental
- Fuse size: 10x38 mm (13/32" x 1-1/2")



PV Type

- UL Rating: 25A / 50A; 1000VDC
- IEC Rating: 25A / 50A; 1000VDC
- Pole configuration: 1 and 2 poles
- SCR rating: 30KA (IEC) / 10KA (UL).
- Indication: Optional blown fuse LED
- Fuse class: PV protection
- Fuse size: 10x38 / 14x51 mm



CC Type & J Type

- UL Rating: 30A; 600V AC/DC
- Pole configuration: 1 ; 2, 3 poles
- SCR rating: 200KA max.
- Indication: Optional blown fuse LED
- Fuse class: Branch circuit
- Fuse size: CC Type / J type



IEC Type

- UL Rating: 100A; 600V AC/DC
- IEC Rating: 100A; 690V AC/DC
- Pole configuration: 1; 1+N ; 2, 3, 3+N
- SCR rating: 100KA / 200KA max.
- Indication: Optional blown fuse LED
- Fuse class: Supplemental
- Fuse size: 22x58 / 14x51 mm



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[ECF-1](#) [ECF-2](#) [ECF-3](#) [ECF-4](#) [170M0213](#) [170M1369-D](#) [170M3809D](#) [BK/F02B-1A](#) [N-2-1/2](#) [N-3-2/10](#) [NITD2](#) [20D16](#) [KAA-3](#) [KAB-30](#)
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