

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

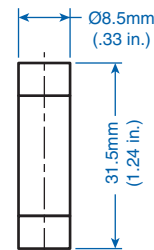
IEC 602-2

* 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

| 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

| 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

| | | |
|-------------|--------------------|----|
| 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

| | | |
|------------|---------------------|----|
| 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 |

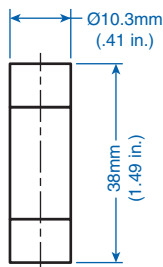
Weight: 19 g each

| | | |
|-------------|----------------------|----|
| 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 |

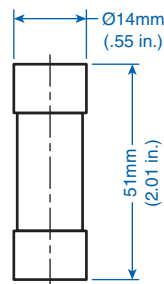
Weight: 51 g each

* Also available with striker pin.

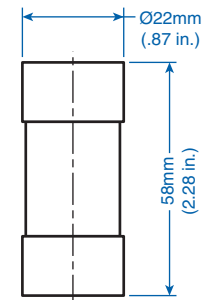
* Also available with striker pin.
** Only with striker pin.



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



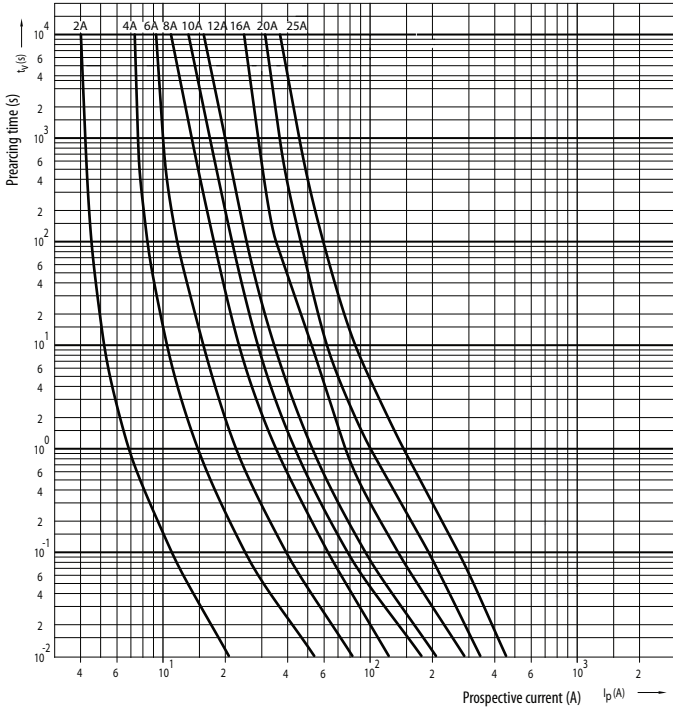
Dimensions to NFC 60200, NFC 63210, NFC 63211 (NFC = French Standard)



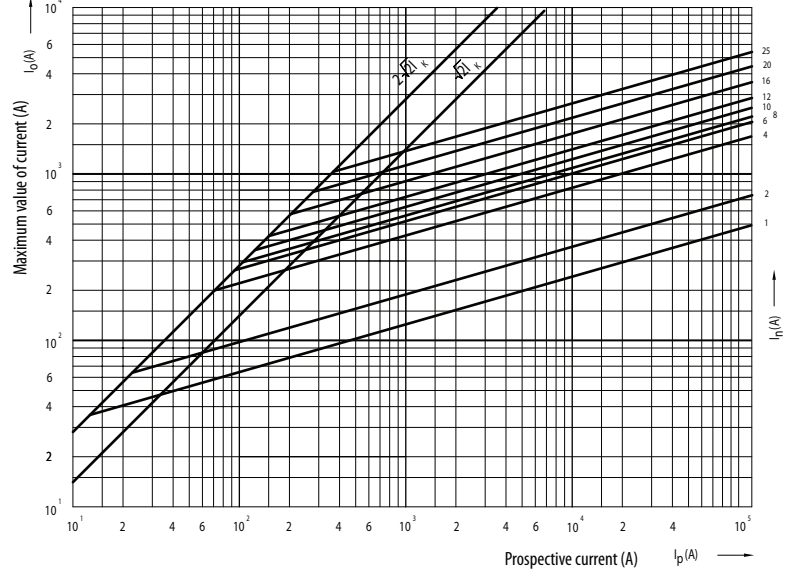
Dimensions to NFC 60200, NFC 63210, NFC 63211 (NFC = French Standard)

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

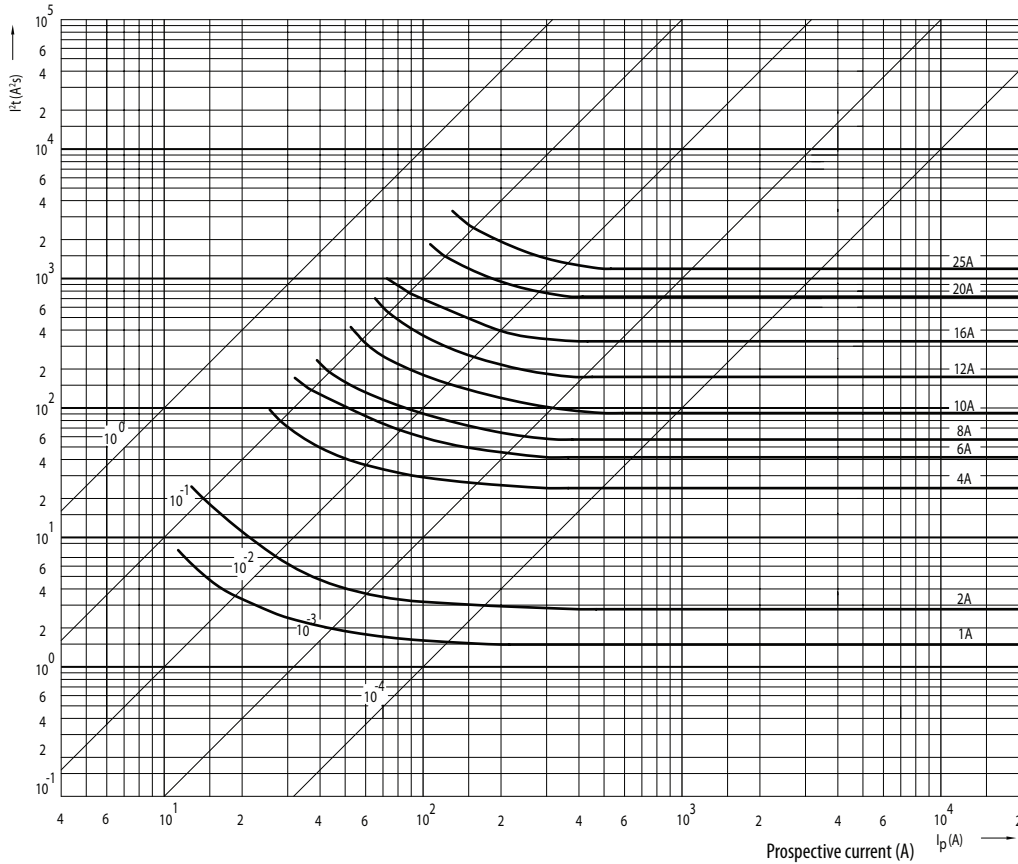
Time Current Characteristics I/t



Cut-off Current Characteristics I_p^2t

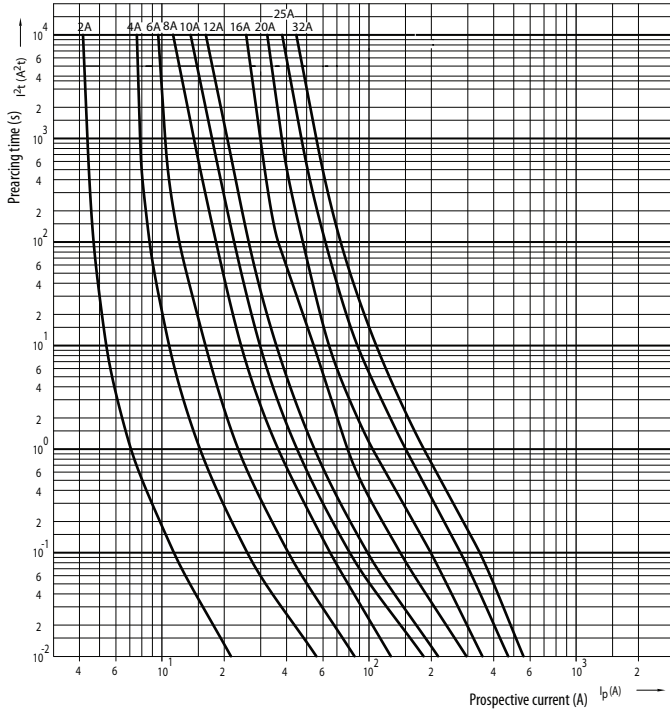


Melting Energy Characteristics I^2t

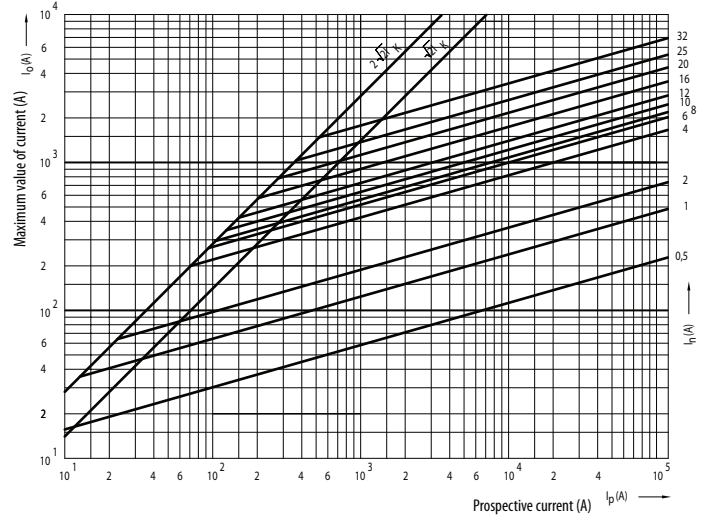


Technical Data for GI / gL / gG Type, C10 x 38

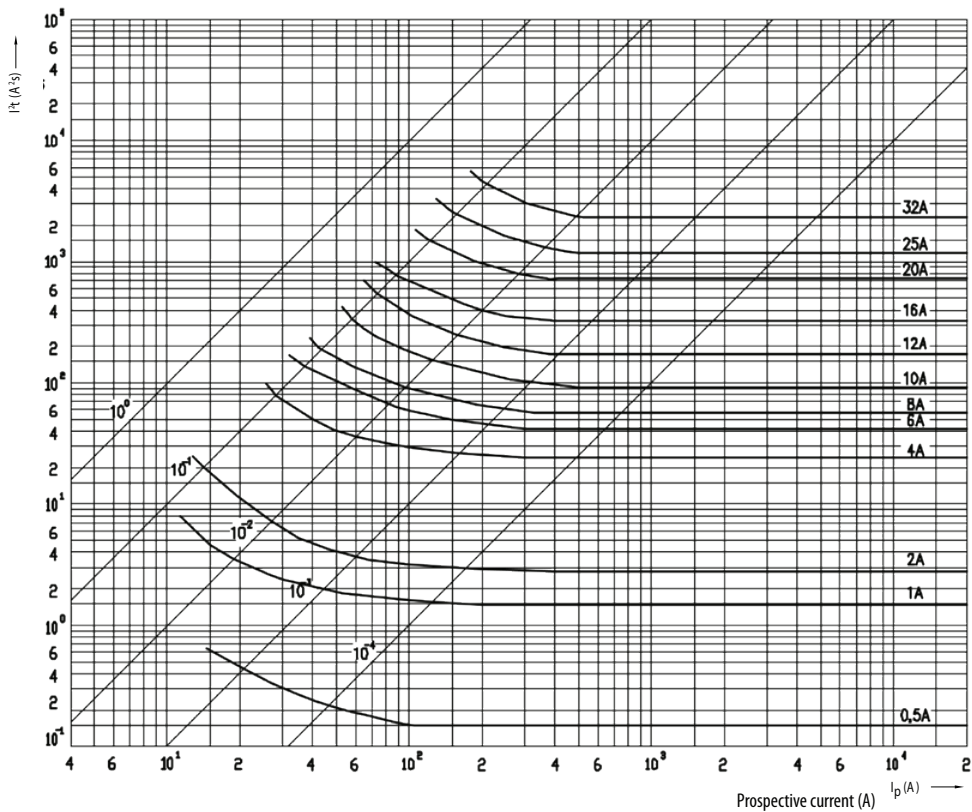
Time Current Characteristics I²t



Cut-off Current Characteristics I²t

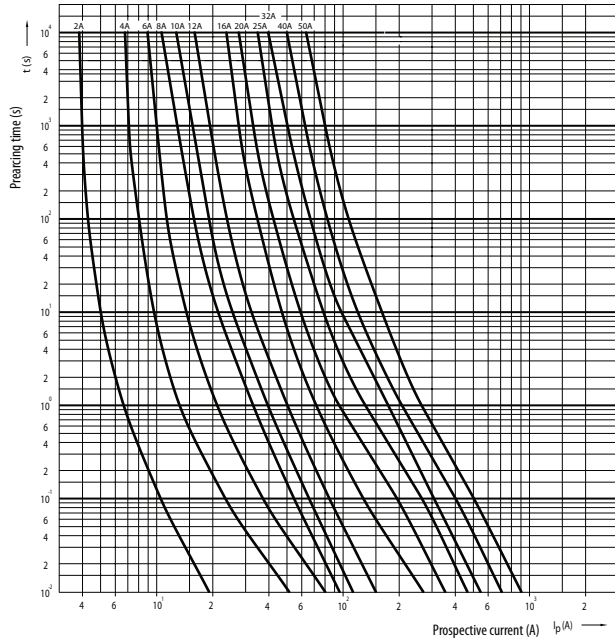


Melting Energy Characteristics I²t

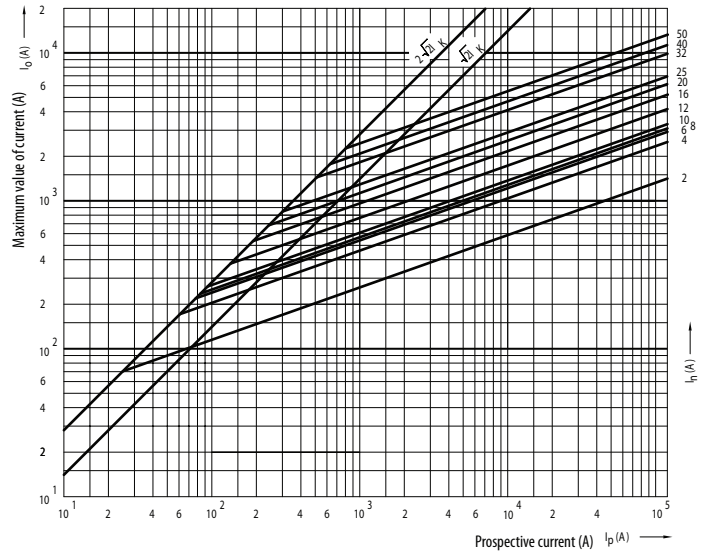


Technical Data for GI / gL / gG Type, C14 x 51

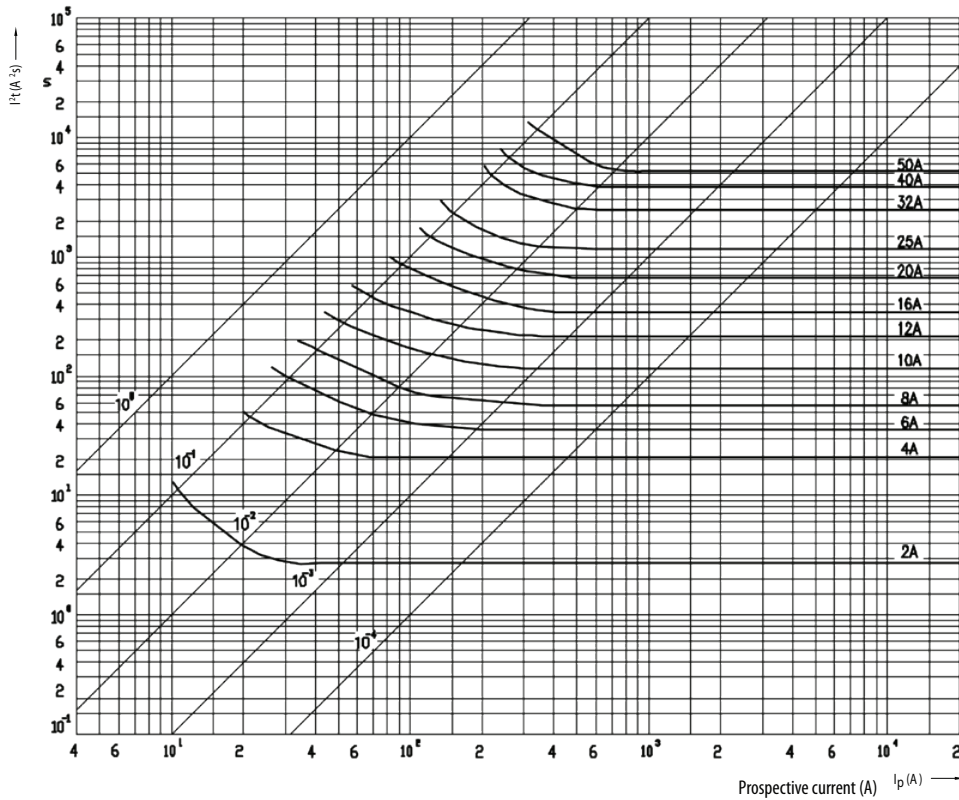
Time Current Characteristics I/t



Cut-off Current Characteristics I/t

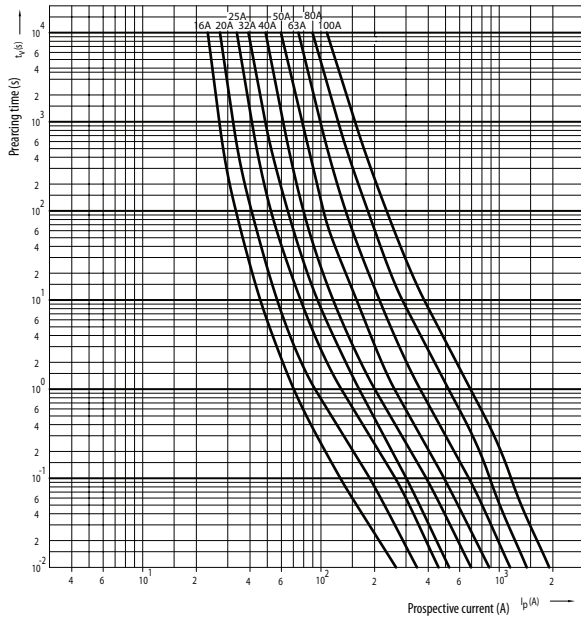


Melting Energy Characteristics I²t

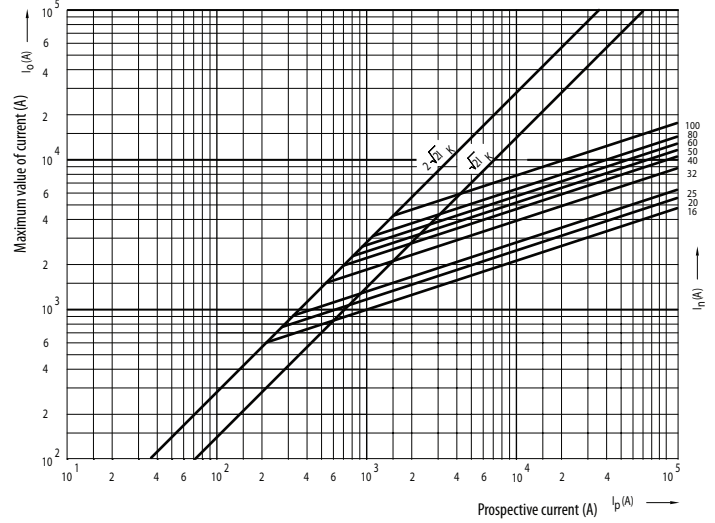


Technical Data for GI / gL / gG Type, C22 x 58

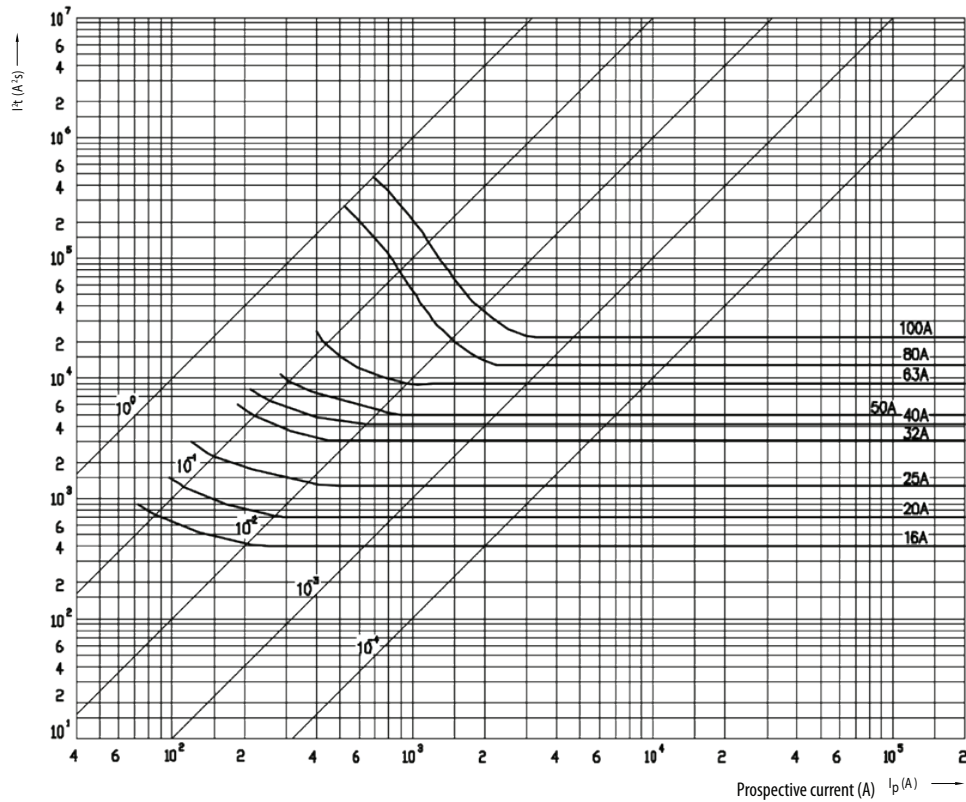
Time Current Characteristics I/t



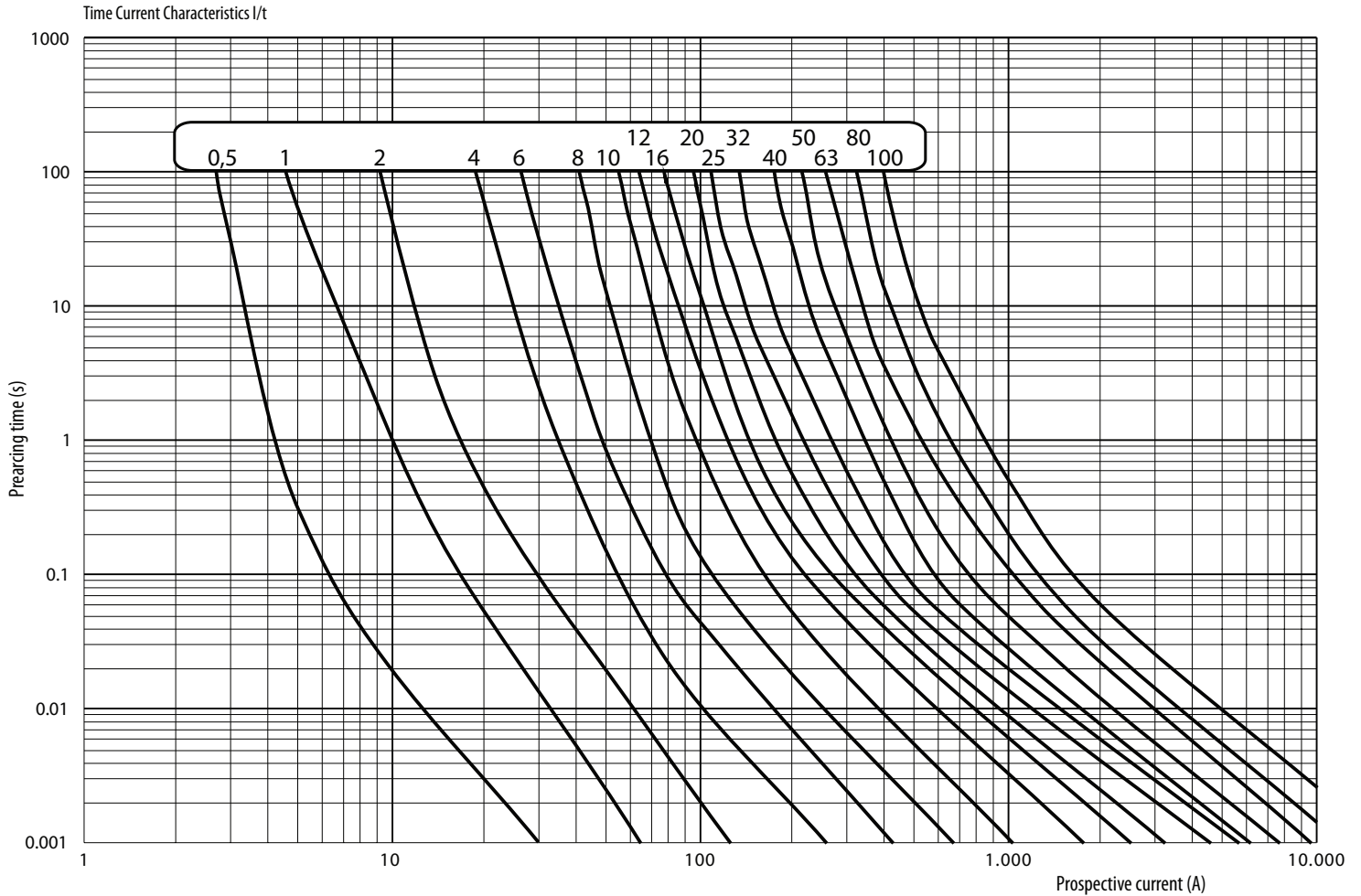
Cut-off Current Characteristics I/t



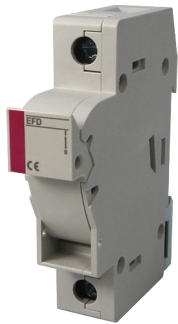
Melting Energy Characteristics I²t



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



A Broad Selection of Fuse Holders



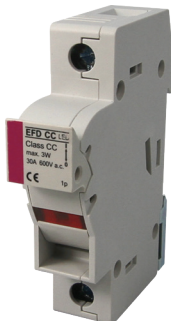
10x38 Midget

- 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

