

Cylindrical Fuse Links for Industrial Applications

Class gG/gL and aM, 0.16 to 125A, 400 to 690Vac



Catalogue Symbol:

| Class gG/gL | | | |
|-------------|-----------------------------|--------------------------|---------------------------|
| Size (mm) | Without Indicator (Example) | With Indicator (Example) | With Striker* (Example) |
| 8 x 31 | C08G(amps) (C08G4) | C08G(amps)I (C08G4I) | N/A |
| 10 x 38 | C10G(amps) (C10G4) | C10G(amps)I (C10G4I) | N/A |
| 14 x 51 | C14G(amps) (C14G4) | C14G(amps)I (C14G4I) | C14G(amps)S* (C14G4S) |
| 22 x 58 | C22G(amps) (C22G4) | C22G(amps)I (C22G4I) | C22G(amps)S* (C22G4S) |
| Class aM | | | |
| 8 x 31 | C08M(amps) (C08M4) | N/A | N/A |
| 10 x 38 | C10M(amps) (C10M4) | C10M(amps)I (C10M4I) | N/A |
| 14 x 51 | C14M(amps) (C14M4) | C14M(amps)I (C14M4I) | C14M(amps)S* (C14M4S) |
| 22 x 58 | C22M(amps) (C22M12) | C22M(amps)I (C22M12I) | C22M(amps)S* (C22M12S) |

Class of Operation:

gG-gL For general purpose applications
 aM For motor protection applications

Fuse Holders: Refer to data sheet 2143

Standards/Approvals: IEC 60269

Description: Cylindrical class gG-gL and aM fuse links are intended for industrial applications. Some industrial fuse links are available with an operated visible fuse indicator. Sizes 14 x 51, 22 x 58 in both class gG-gL and aM are also available with a built-in striker for micro-switch operation and remote indication.

Packaging:

MOQ: please contact our customer service department
 00 44 (0) 1509 882 600 or bulesales@cooperindustries.com

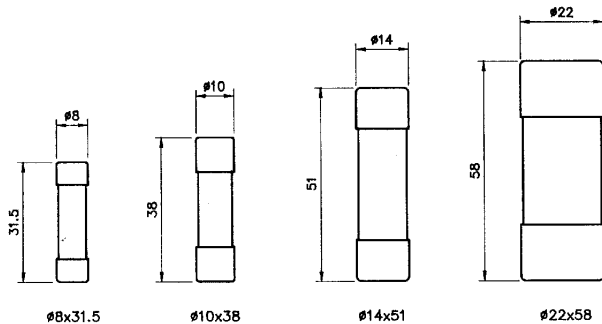
Technical Data:

Rated voltage: from 400 to 690Vac
 Amps: 0.16 to 125A
 Rated breaking capacity: 20 to 120kA

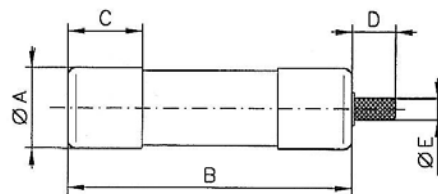
* Striker fuse links can operate a micro-switch for remote fuse link operated indication

Dimensions - mm

Fuse Links - with or without indicator



Fuse Links with striker



| Size (mm) | A | B | C | D | E |
|-----------|----|----|----|---|---|
| 14 x 51 | 14 | 51 | 13 | 8 | 4 |
| 22 x 58 | 22 | 58 | 16 | 8 | 4 |

For striker fuse link applications use CH141DMS or CH221DMS fuse holders with micro-switch auxiliary contacts.

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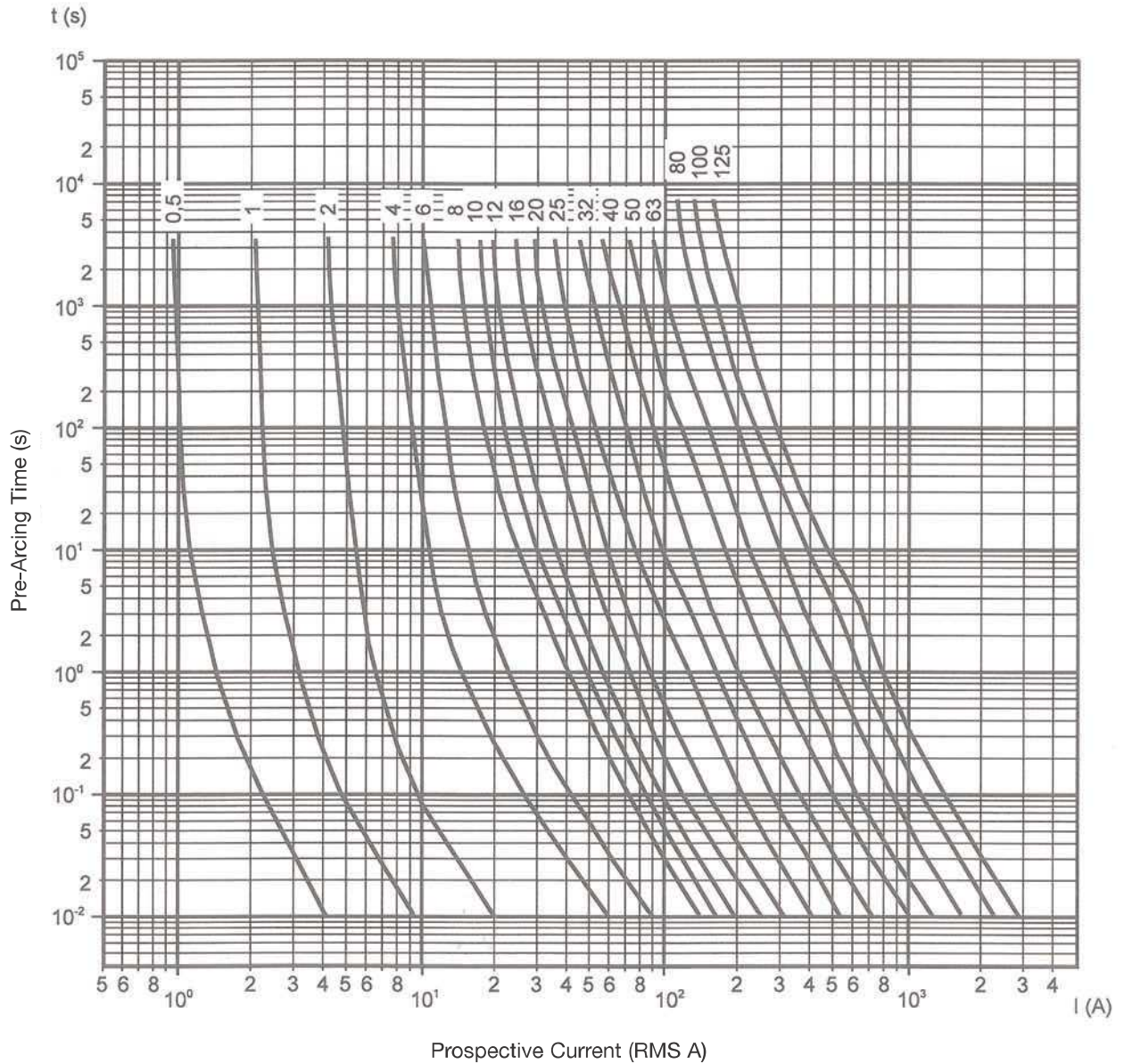
Class gG/gL - Catalogue Numbers

| Size (mm) | Current (A) | Catalogue Numbers Without Indicator | Catalogue Numbers With Indicator | Catalogue Numbers With Striker | Voltage (V) | Breaking Capacity (kA) | | |
|-----------|-------------|-------------------------------------|----------------------------------|--------------------------------|-------------|------------------------|------|------|
| 8x31 | 0.5 | C08G0.5 | - | - | 400V | 20kA | | |
| | 1 | C08G1 | - | - | | | | |
| | 2 | C08G2 | C08G2I | - | | | | |
| | 4 | C08G4 | C08G4I | - | | | | |
| | 6 | C08G6 | C08G6I | - | | | | |
| | 8 | C08G8 | C08G8I | - | | | | |
| | 10 | C08G10 | C08G10I | - | | | | |
| | 12 | C08G12 | C08G12I | - | | | | |
| | 16 | C08G16 | C08G16I | - | | | | |
| | 20 | C08G20 | C08G20I | - | | | | |
| 10x38 | 0.5 | C10G0.5 | - | - | 500V | 120kA | | |
| | 1 | C10G1 | C10G1I | - | | | | |
| | 2 | C10G2 | C10G2I | - | | | | |
| | 4 | C10G4 | C10G4I | - | | | | |
| | 6 | C10G6 | C10G6I | - | | | | |
| | 8 | C10G8 | C10G8I | - | | | | |
| | 10 | C10G10 | C10G10I | - | | | | |
| | 12 | C10G12 | C10G12I | - | | | | |
| | 16 | C10G16 | C10G16I | - | | | | |
| | 20 | C10G20 | C10G20I | - | | | | |
| 14x51 | 25 | C10G25 | C10G25I | - | 400V | 120kA | | |
| | 32 | C10G32 | C10G32I | - | | | | |
| | 1 | C14G1 | C14G1I | - | | | 690V | 80kA |
| | 2 | C14G2 | C14G2I | C14G2S | | | | |
| | 4 | C14G4 | C14G4I | C14G4S | | | | |
| | 6 | C14G6 | C14G6I | C14G6S | | | | |
| | 8 | C14G8 | C14G8I | C14G8S | | | | |
| | 10 | C14G10 | C14G10I | C14G10S | | | | |
| | 12 | C14G12 | C14G12I | C14G12S | | | | |
| | 16 | C14G16 | C14G16I | C14G16S | | | | |
| 20 | C14G20 | C14G20I | C14G20S | | | | | |
| 25 | C14G25 | C14G25I | C14G25S | | | | | |
| 22x58 | 32 | C14G32 | C14G32I | C14G32S | 500V | 120kA | | |
| | 40 | C14G40 | C14G40I | C14G40S | | | | |
| | 50 | C14G50 | C14G50I | C14G50S | | | | |
| | 2 | C22G2 | C22G2I | - | | | 690V | 80kA |
| | 4 | C22G4 | C22G4I | C22G4S | | | | |
| | 6 | C22G6 | C22G6I | C22G6S | | | | |
| | 8 | C22G8 | C22G8I | C22G8S | | | | |
| | 10 | C22G10 | C22G10I | C22G10S | | | | |
| | 12 | C22G12 | C22G12I | C22G12S | | | | |
| | 16 | C22G16 | C22G16I | C22G16S | | | | |
| 20 | C22G20 | C22G20I | C22G20S | | | | | |
| 25 | C22G25 | C22G25I | C22G25S | | | | | |
| 32 | C22G32 | C22G32I | C22G32S | | | | | |
| 22x58 | 40 | C22G40 | C22G40I | C22G40S | 500V | 120kA | | |
| | 50 | C22G50 | C22G50I | C22G50S | | | | |
| | 63 | C22G63 | C22G63I | C22G63S | | | | |
| | 80 | C22G80 | C22G80I | C22G80S | | | | |
| | 100 | C22G100 | C22G100I | C22G100S | | | | |
| 125 | C22G125 | C22G125I | C22G125S | 400V | | | | |

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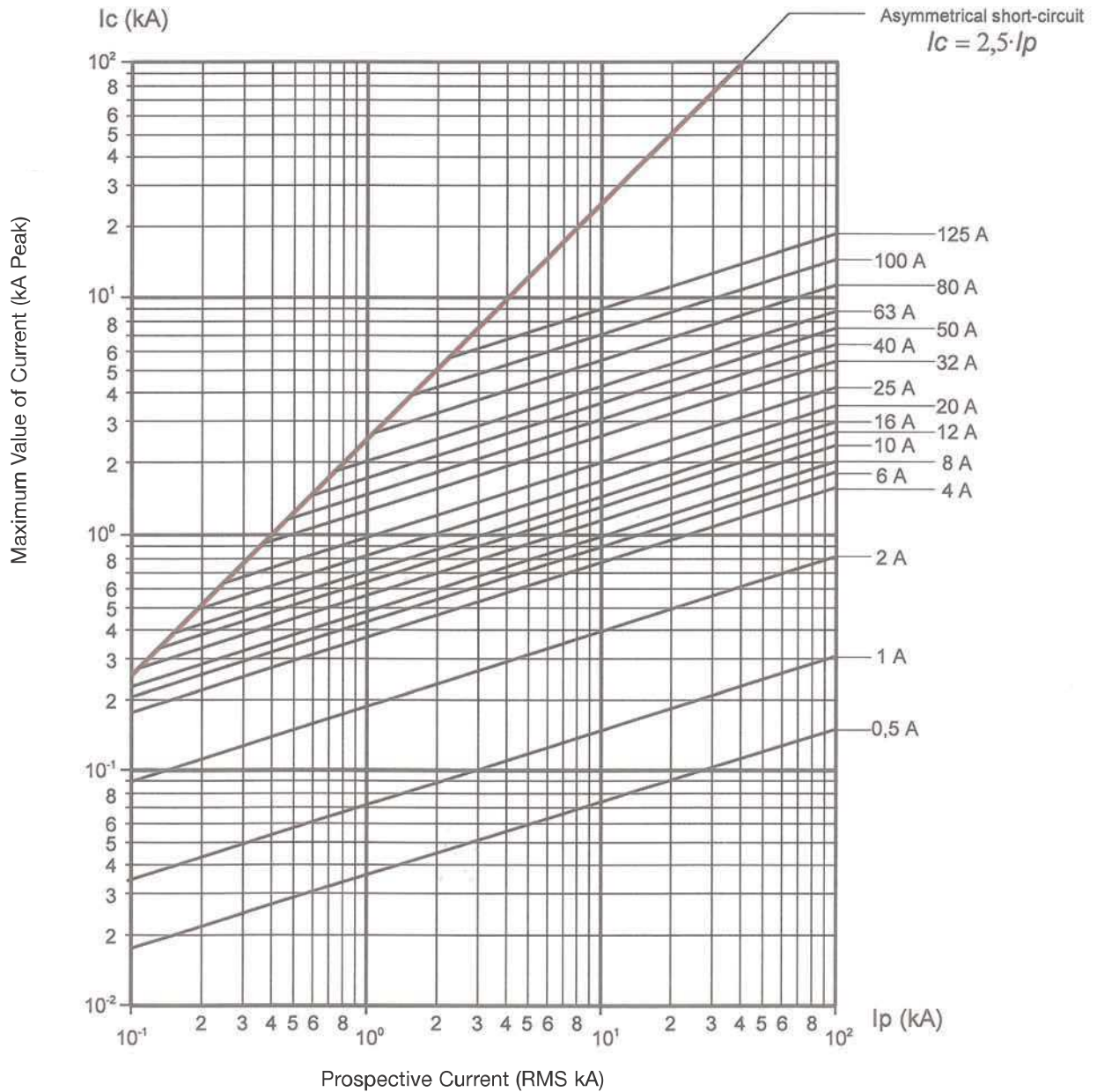
Class gG/gL - Time-Current Characteristics



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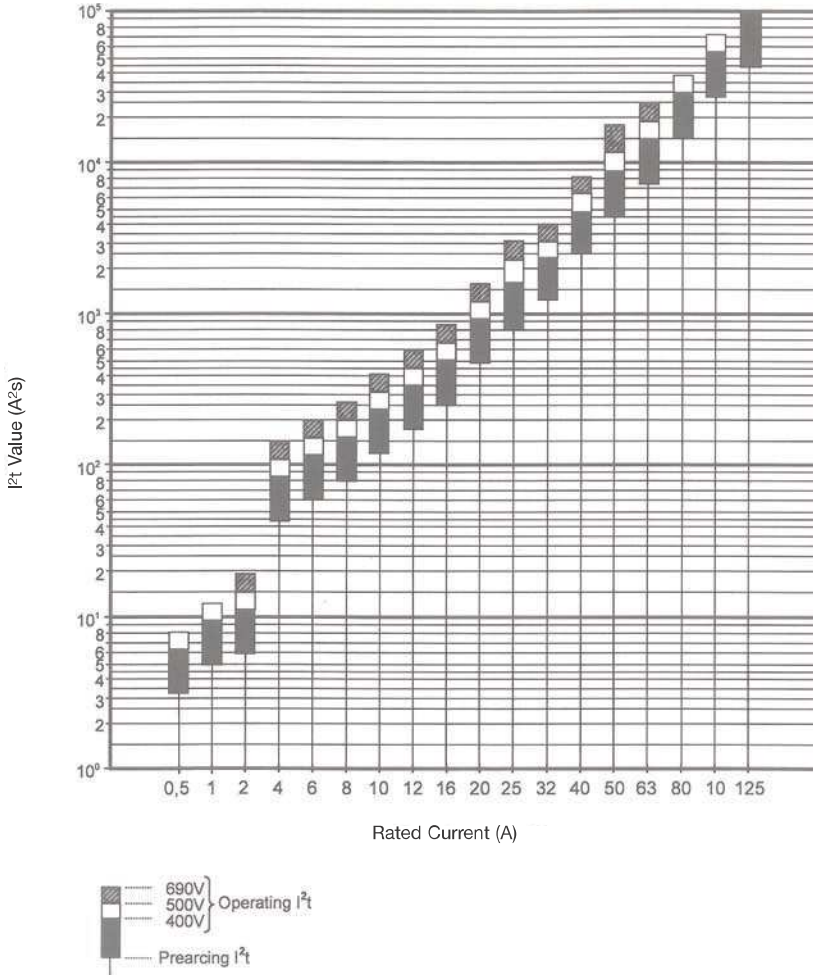
Class gG/gL - Cut-off Characteristics



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Class gG/gL - I²t Values



Class gG/gL - Watts Loss Values

| Amp | Size mm | | | |
|-----|---------|-------|-------|-------|
| | 8x31 | 10x38 | 14x51 | 22x58 |
| 0.5 | 1.2 | 1.43 | | |
| 1 | 2.0 | 2.77 | 3.90 | |
| 2 | 0.5 | 0.60 | 0.90 | 1.00 |
| 4 | 0.8 | 0.70 | 1.00 | 1.10 |
| 6 | 1.1 | 0.85 | 1.15 | 1.30 |
| 8 | 1.3 | 0.75 | 1.00 | 1.10 |
| 10 | 1.0 | 1.00 | 1.30 | 1.50 |
| 12 | 1.2 | 1.30 | 1.70 | 1.80 |
| 16 | 1.5 | 1.60 | 2.00 | 2.10 |
| 20 | 2.0 | 2.00 | 2.50 | 2.70 |
| 25 | 2.6 | 2.60 | 3.30 | 3.30 |
| 32 | | 2.90 | 3.50 | 3.50 |
| 40 | | | 4.75 | 4.00 |
| 50 | | | 4.80 | 5.50 |
| 63 | | | | 6.90 |
| 80 | | | | 7.80 |
| 100 | | | | 9.00 |
| 125 | | | | 11.40 |