# Ferrule fuse-links 10x38 gG 400 to 690VAC

## IEC Cylindrical Fuse-Links

Mersen aM and gG fuse-links cover a wide range of physical sizes and ampere ratings for 400, 500, and 690VAC for protection in electrical distribution circuits and various industrial applications. Most ratings are available in size 8x31 and size 10x38 with an optional indicator, and in size 14x51 and 22x58 with an optional striker to activate an auxiliary contact. Size 10x38 is also available with striker. All cylindrical fuse-links have ceramic bodies and silver-plated contacts.

Cylindrical fuse-links “gG” are used for the protection of cables, motors and LV-networks. They limit and cut off unacceptable overcurrents and short-circuit currents up to their nominal breaking capacity. Cylindrical fuse-links “gG” also protect electrical equipment and installations against the dynamic effect of high short-currents.

Our technology and process was designed to ensure highly reliable technical performance.

### Features Benefits

- Reduced size
- Full range protection
- Visual indication of fuse operation
- Safest and most reliable protection system

### Applications

- gG type for protection of line, cable against overload and short circuit in various industrial application and electrical distribution circuits.

### Standards

IEC 60269-1 & -2 (electrically only for the range with striker)

Approved by Lloyd’s Register of Shipping and Bureau Veritas

### Technical data overview

| | |
|---|---|
| Voltage Range AC | 400 ... 690 VAC |
| Ampere Range (A) | 0.5 ... 32 A |
| Speed/Characteristic | gG |
| I.R. AC (kA) | 120 kA |
| Body Material | Ceramic |
| Contact Materials | Silver plated copper |
| Product Size | 10x38 mm |

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# Ferrule fuse-links 10x38 gG 400 to 690VAC

## Product range

FR10G-G50V0.5

### Size 10,3x38 400/500VAC without indicator

| Catalog number | Reference number | Rated voltage AC (IEC) | Rated current $I_n$ | Rated breaking capacity AC | Power dissipation at $I_n$ | Weight |
|---|---|---|---|---|---|---|
| FR10GG50V0.5 | C211027 | 500 V | 0.5 A | 120 kA | 0.07 W | 8.3 g |
| FR10GG50V1 | B212061 | 500 V | 1 A | 120 kA | 0.45 W | 8.3 g |
| FR10GG50V2 | D213098 | 500 V | 2 A | 120 kA | 0.5 W | 8.3 g |
| FR10GG50V4 | X213598 | 500 V | 4 A | 120 kA | 0.85 W | 8.3 g |
| FR10GG50V6 | K215128 | 500 V | 6 A | 120 kA | 0.95 W | 8.3 g |
| FR10GG50V8 | D217169 | 500 V | 8 A | 120 kA | 1.15 W | 8.3 g |
| FR10GG50V12 | W219761 | 500 V | 12 A | 120 kA | 1.4 W | 8.3 g |
| FR10GG50V10 | S218194 | 500 V | 10 A | 120 kA | 1.3 W | 8.3 g |
| FR10GG50V16 | G200750 | 500 V | 16 A | 120 kA | 1.9 W | 8.3 g |
| FR10GG50V20 | D211028 | 500 V | 20 A | 120 kA | 2.4 W | 8.3 g |
| FR10GG50V25 | E213099 | 500 V | 25 A | 120 kA | 2.7 W | 8.3 g |
| FR10GG40V32 | A214107 | 400 V | 32 A | 120 kA | 2.8 W | 8.3 g |

FR10G-G50V2I

### Size 10,3x38 400/500VAC with indicator

| Catalog number | Reference number | Rated voltage AC (IEC) | Rated current $I_n$ | Rated breaking capacity AC | Power dissi-pation at $I_n$ | Weight |
|---|---|---|---|---|---|---|
| FR10GG50V2I | S216653 | 500 V | 2 A | 120 kA | 0.5 W | 8.3 g |
| FR10GG50V4I | E217170 | 500 V | 4 A | 120 kA | 0.85 W | 8.3 g |
| FR10GG50V6I | T218195 | 500 V | 6 A | 120 kA | 0.95 W | 8.3 g |
| FR10GG50V8I | V219231 | 500 V | 8 A | 120 kA | 1.15 W | 8.3 g |
| FR10GG50V10I | E222207 | 500 V | 10 A | 120 kA | 1.3 W | 8.3 g |
| FR10GG50V12I | H200751 | 500 V | 12 A | 120 kA | 1.4 W | 8.3 g |
| FR10GG50V16I | H201809 | 500 V | 16 A | 120 kA | 1.9 W | 8.3 g |
| FR10GG50V20I | X211551 | 500 V | 20 A | 120 kA | 2.4 W | 8.3 g |
| FR10GG50V25I | W212585 | 500 V | 25 A | 120 kA | 2.7 W | 8.3 g |
| FR10GG40V32I | Z213600 | 400 V | 32 A | 120 kA | 2.8 W | 8.3 g |

### Size 10,3x38 250/400VAC with striker

| Catalog number | Reference number | Rated voltage AC (IEC) | Rated current $I_n$ | Rated breaking capacity AC | Power dissipation at $I_n$ | Weight |
|---|---|---|---|---|---|---|
| FR10GG40V2P | G083703 | 400 V | 2 A | 100 kA | 0.6 W | 9.2 g |
| FR10GG40V4P | D084758 | 400 V | 4 A | 100 kA | 0.75 W | 9.2 g |
| FR10GG40V6P | Y084799 | 400 V | 6 A | 100 kA | 0.9 W | 9.2 g |
| FR10GG40V8P | F083955 | 400 V | 8 A | 100 kA | 1 W | 9.2 g |
| FR10GG40V10P | A084801 | 400 V | 10 A | 100 kA | 1.1 W | 9.2 g |
| FR10GG40V12P | G083956 | 400 V | 12 A | 100 kA | 1.25 W | 9.2 g |
| FR10GG40V16P | X084798 | 380 V | 16 A | 100 kA | 1.35 W | 9.2 g |
| FR10GG40V20P | Z084800 | 380 V | 20 A | 100 kA | 1.45 W | 9.2 g |
| FR10GG25V25P | H083957 | 250 V | 25 A | 100 kA | 1.7 W | 9.2 g |
| FR10GG25V32P | E083954 | 250 V | 32 A | 100 kA | 2.2 W | 9.2 g |

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