

# POWR-GARD® Fuse Datasheet

## CYLINDRICAL FUSES

500 Volts • 0.5–100 A



### Description

Littelfuse fast acting (gL-gG) fuses are used for the protection of cables against short-circuits. Time-lag (aM) fuses are used for protection of motors.

### Specifications

#### Standards

10x38 mm: IEC 60269  
14x51 mm / 22x58mm: IEC 269-2-1

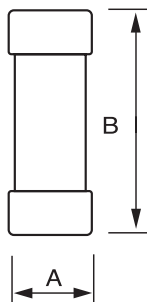
### Ordering Information

| BASE PART NUMBER | SIZE (mm) | CURRENT RANGE   | VOLTAGE (AC) | INTERRUPTING RATING |
|------------------|-----------|-----------------|--------------|---------------------|
| CY10X38          | 10 X 38   | 0.5-16 A        | 500 V        | 120 kA              |
|                  |           | 20-25 A (aM)    | 400 V        | 120 kA              |
|                  |           | 20-25 A (gL-gG) | 500 V        | 120 kA              |
|                  |           | 32 A            | 400 V        | 120 kA              |
| CY14X51          | 14 X 51   | 2-25 A          | 690 V        | 80 kA               |
|                  |           | 32-40 A         | 500 V        | 120 kA              |
|                  |           | 50 A            | 400 V        | 120 kA              |
|                  |           | 16-63 A         | 690 V        | 80 kA               |
| CY22X58          | 22 X 58   | 80-100 A        | 500 V        | 120 kA              |

| AMPERAGE | gL-gG ORDERING NUMBERS |            |             | aM ORDERING NUMBERS |            |             |
|----------|------------------------|------------|-------------|---------------------|------------|-------------|
|          | 10 X 38                | 14 X 51    | 22 X 58     | 10 X 38             | 14 X 51    | 22 X 58     |
| 0.5      | CY10X38G05             | —          | —           | CY10X38M05          | —          | —           |
| 1        | CY10X38G1              | —          | —           | CY10X38M1           | —          | —           |
| 2        | CY10X38G2              | CY14X51G2  | —           | CY10X38M2           | CY14X51M2  | —           |
| 4        | CY10X38G4              | CY14X51G4  | —           | CY10X38M4           | CY14X51M4  | —           |
| 6        | CY10X38G6              | CY14X51G6  | —           | CY10X38M6           | CY14X51M6  | —           |
| 8        | CY10X38G8              | CY14X51G8  | —           | CY10X38M8           | CY14X51M8  | —           |
| 10       | CY10X38G10             | CY14X51G10 | —           | CY10X38M10          | CY14X51M10 | —           |
| 12       | CY10X38G12             | CY14X51G12 | —           | CY10X38M12          | CY14X51M12 | —           |
| 16       | CY10X38G16             | CY14X51G16 | CY22X58G16  | CY10X38M16          | CY14X51M16 | CY22X58M16  |
| 20       | CY10X38G20             | CY14X51G20 | CY22X58G20  | CY10X38M20          | CY14X51M20 | CY22X58M20  |
| 25       | CY10X38G25             | CY14X51G25 | CY22X58G25  | CY10X38M25          | CY14X51M25 | CY22X58M25  |
| 32       | CY10X38G32             | CY14X51G32 | CY22X58G32  | CY10X38M32          | CY14X51M32 | CY22X58M32  |
| 40       | —                      | CY14X51G40 | CY22X58G40  | —                   | CY14X51M40 | CY22X58M40  |
| 50       | —                      | CY14X51G50 | CY22X58G50  | —                   | CY14X51M50 | CY22X58M50  |
| 63       | —                      | —          | CY22X58G63  | —                   | —          | CY22X58M63  |
| 80       | —                      | —          | CY22X58G80  | —                   | —          | CY22X58M80  |
| 100      | —                      | —          | CY22X58G100 | —                   | —          | CY22X58M100 |

### Dimensions

| FUSE SIZE | DIMENSIONS mm |    |
|-----------|---------------|----|
|           | A             | B  |
| 10 X 38   | 10            | 38 |
| 14 X 51   | 14            | 51 |
| 22 X 58   | 22            | 58 |



### Web Resources

For additional product information  
Fuses: [littelfuse.com/cy](http://littelfuse.com/cy)  
Fuse Holders: [littelfuse.com/lfpms](http://littelfuse.com/lfpms)  
[littelfuse.com/cyh](http://littelfuse.com/cyh)

### Fuse Holders

| AMP RATING | POLES | SIZE    | CATALOG / ORDERING # | TERMINAL TYPE  | DIN RAIL MOUNT | WIRE RANGE    |
|------------|-------|---------|----------------------|----------------|----------------|---------------|
| 30 A       | 1     | 10 X 38 | LPSM0001Z            | Pressure Plate | •              | #8 – #14 AWG  |
| 30 A       | 2     | 10 X 38 | LPSM0002Z            | Pressure Plate | •              | #8 – #14 AWG  |
| 30 A       | 3     | 10 X 38 | LPSM0003Z            | Pressure Plate | •              | #8 – #14 AWG  |
| 30 A       | 4     | 10 X 38 | LPSM0004Z            | Pressure Plate | •              | #8 – #14 AWG  |
| 30 A       | 1     | 10 X 38 | LPSM0001ZXID*        | Pressure Plate | •              | #8 – #14 AWG  |
| 30 A       | 2     | 10 X 38 | LPSM0002ZXID*        | Pressure Plate | •              | #8 – #14 AWG  |
| 30 A       | 3     | 10 X 38 | LPSM0003ZXID*        | Pressure Plate | •              | #8 – #14 AWG  |
| 30 A       | 4     | 10 X 38 | LPSM0004ZXID*        | Pressure Plate | •              | #8 – #14 AWG  |
| 50 A       | 1     | 14 X 51 | CYH14511             | Pressure Plate | •              | #2 – #14 AWG  |
| 50 A       | 2     | 14 X 51 | CYH14512             | Pressure Plate | •              | #2 – #14 AWG  |
| 50 A       | 3     | 14 X 51 | CYH14513             | Pressure Plate | •              | #2 – #14 AWG  |
| 100 A      | 1     | 22 X 58 | CYH22581             | Pressure Plate | •              | 1/0 – #10 AWG |
| 100 A      | 2     | 22 X 58 | CYH22582             | Pressure Plate | •              | 1/0 – #10 AWG |
| 100 A      | 3     | 22 X 58 | CYH22583             | Pressure Plate | •              | 1/0 – #10 AWG |

\* Indicating

**Disclaimer Notice** – Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at [www.littelfuse.com/product-disclaimer](http://www.littelfuse.com/product-disclaimer).