

## CYLINDER

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 pg 15 for ordering information for 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.*

#### aR - Semiconductor Protection

Typically used for protecting semiconductors like diodes, SCR's etc. Current limiting, super fast blow.

*Typical Markings: Ultra Rapid™,*

*Ultra Quick™, Protister™, gR,  *

*Blue imprint.*

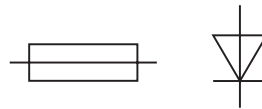


**8 x 32**

| Ordering Information                                                                  | Current/<br>Voltage     | Cat. No.         | Std. Pk. |
|---------------------------------------------------------------------------------------|-------------------------|------------------|----------|
| <b>Slow Blow - Operating Class gI</b><br>(IEC 269 / CEI 32)<br><b>Line Protection</b> | 1/400V AC               | <b>1C8x32GI</b>  | 10       |
|                                                                                       | 2/400V AC               | <b>2C8x32GI</b>  | 10       |
|                                                                                       | 4/400V AC               | <b>4C8x32GI</b>  | 10       |
|                                                                                       | 6/400V AC               | <b>6C8x32GI</b>  | 10       |
|                                                                                       | 8/400V AC               | <b>8C8x32GI</b>  | 10       |
|                                                                                       | 10/400V AC              | <b>10C8x32GI</b> | 10       |
|                                                                                       | 12/400V AC              | <b>12C8x32GI</b> | 10       |
|                                                                                       | 16/400V AC              | <b>16C8x32GI</b> | 10       |
|                                                                                       | 20/400V AC              | <b>20C8x32GI</b> | 10       |
|                                                                                       | 25/400V AC              | <b>25C8x32GI</b> | 10       |
|                                                                                       | <b>Weight: 4 g each</b> |                  |          |

|                                                                                        |                         |                  |    |
|----------------------------------------------------------------------------------------|-------------------------|------------------|----|
| <b>Fast Blow - Operating Class aM</b><br>(IEC 269 / CEI 32)<br><b>Motor Protection</b> | 1/400V AC               | <b>1C8x32AM</b>  | 10 |
|                                                                                        | 2/400V AC               | <b>2C8x32AM</b>  | 10 |
|                                                                                        | 4/400V AC               | <b>4C8x32AM</b>  | 10 |
|                                                                                        | 6/400V AC               | <b>6C8x32AM</b>  | 10 |
|                                                                                        | 8/400V AC               | <b>8C8x32AM</b>  | 10 |
|                                                                                        | 10/400V AC              | <b>10C8x32AM</b> | 10 |
|                                                                                        | 12/400V AC              | <b>12C8x32AM</b> | 10 |
|                                                                                        | 16/400V AC              | <b>16C8x32AM</b> | 10 |
|                                                                                        | 20/400V AC              | <b>20C8x32AM</b> | 10 |
|                                                                                        | 25/400V AC              | <b>25C8x32AM</b> | 10 |
|                                                                                        | <b>Weight: 4 g each</b> |                  |    |

**Semiconductor Protection - Operating Class gR**  
(VDE 0636 / IEC 269)  
**Semiconductor Protection**



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

\* 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.



## 10 x 38

| Current/<br>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       |

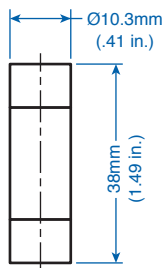
Weight: 10 g each

|             |             |    |
|-------------|-------------|----|
| 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: 10 g each

|            |              |            |    |
|------------|--------------|------------|----|
| 1/600V AC  | DISCONTINUED | 1C10x38SC  | 10 |
| 2/600V AC  |              | 2C10x38SC  | 10 |
| 4/600V AC  |              | 4C10x38SC  | 10 |
| 6/600V AC  |              | 6C10x38SC  | 10 |
| 8/600V AC  |              | 8C10x38SC  | 10 |
| 10/600V AC |              | 10C10x38SC | 10 |
| 12/600V AC |              | 12C10x38SC | 10 |
| 16/600V AC |              | 16C10x38SC | 10 |
| 20/600V AC |              | 20C10x38SC | 10 |
| 25/600V AC |              | 25C10x38SC | 10 |
| 30/600V AC |              | 30C10x38SC | 10 |
| 32/600V AC |              | 32C10x38SC | 10 |

Weight: 10 g each



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



## 14 x 51

| Current/<br>Voltage | Cat. No.                  | Std. Pk. |
|---------------------|---------------------------|----------|
| 1/660V AC           | DISCONTINUED<br>1C14x51GI | 10       |
| 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: 20 g each

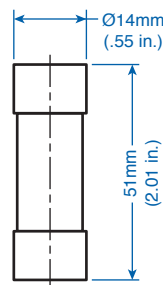
|            |              |              |    |
|------------|--------------|--------------|----|
| 1/660V AC  | DISCONTINUED | 1C14x51AM    | 10 |
| 2/690V AC  |              | 2C14x51AM *  | 10 |
| 4/690V AC  |              | 4C14x51AM *  | 10 |
| 6/690V AC  |              | 6C14x51AM *  | 10 |
| 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: 20 g each

|            |              |              |    |
|------------|--------------|--------------|----|
| 1/660V AC  | DISCONTINUED | 1C14x51SC    | 10 |
| 2/660V AC  |              | 2C14x51SC    | 10 |
| 4/660V AC  |              | 4C14x51SC    | 10 |
| 6/660V AC  |              | 6C14x51SC    | 10 |
| 8/660V AC  |              | 8C14x51SC    | 10 |
| 10/690V AC |              | 10C14x51SC * | 10 |
| 12/690V AC |              | 12C14x51SC * | 10 |
| 16/690V AC |              | 16C14x51SC * | 10 |
| 20/690V AC |              | 20C14x51SC * | 10 |
| 25/690V AC |              | 25C14x51SC * | 10 |
| 32/690V AC |              | 32C14x51SC * | 10 |
| 40/690V AC |              | 40C14x51SC * | 10 |
| 50/690V AC |              | 50C14x51SC * | 10 |

Weight: 20 g each

\*Also available with striker pin.



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



## 22 x 58

| Current/<br>Voltage | Cat. No.                 | Std. Pk. |
|---------------------|--------------------------|----------|
| 6/660V AC           | DISCONTINUED 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

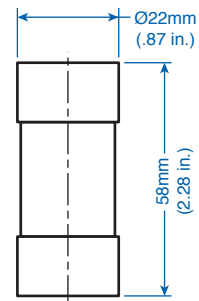
|             |              |               |    |
|-------------|--------------|---------------|----|
| 6/660V AC   | DISCONTINUED | 6C22x58AM *   | 10 |
| 8/660V AC   |              | 8C22x58AM *   | 10 |
| 10/660V AC  |              | 10C22x58AM *  | 10 |
| 12/660V AC  |              | 12C22x58AM *  | 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 |
| 63/500V AC  |              | 63C22x58AM *  | 10 |
| 80/500V AC  |              | 80C22x58AM *  | 10 |
| 100/500V AC |              | 100C22x58AM * | 10 |

Weight: 51 g each

|             |              |               |    |
|-------------|--------------|---------------|----|
| 4/660V AC   | DISCONTINUED | 4C22x58SC     | 10 |
| 6/660V AC   |              | 6C22x58SC     | 10 |
| 8/660V AC   |              | 8C22x58SC     | 10 |
| 10/660V AC  |              | 10C22x58SC    | 10 |
| 12/660V AC  |              | 12C22x58SC    | 10 |
| 16/660V AC  |              | 16C22x58SC    | 10 |
| 20/690V AC  |              | 20C22x58SC *  | 10 |
| 25/690V AC  |              | 25C22x58SC *  | 10 |
| 32/690V AC  |              | 32C22x58SC *  | 10 |
| 40/690V AC  |              | 40C22x58SC *  | 10 |
| 50/690V AC  |              | 50C22x58SC *  | 10 |
| 63/690V AC  |              | 63C22x58SC *  | 10 |
| 80/690V AC  |              | 80C22x58SC *  | 10 |
| 100/500V AC |              | 100C22x58SC * | 10 |

Weight: 51 g each

\*Also available with striker pin.



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

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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