

FAQ

THE VALUE OF INTEGRATING DIN RAIL CYLINDRICAL FUSE HOLDERS INTO YOUR DESIGNS



What short circuit currents do I have to consider when purchasing a DIN rail cylindrical fuse holder?

That data is available from the manufacturer. For example, Altech cylindrical fuse holders have been tested by UL and approved to 200kA short circuit interrupting capacity. That is currently the highest capacity available on the market, so be sure to check the specifications before you purchase.

Why might I incorporate DIN rail cylindrical fuse holders into my designs?

Convenience and size are the first factors that come to mind. Also, accessibility and replaceability are important, which is why a DIN rail device is so attractive in a wide variety of applications. These units are also extremely safe because they are designed so that the fuse is fully disconnected from the holder prior to removal. With the proper configuration, cylindrical fuse holders offer touch protection according to IP20 standards, the potential for sealing in an on or off position, and LED blown fuse indication.

What are the key benefits relevant to using cylindrical fuse holders?

DIN rail cylindrical fuse holders are a single unit designed for mounting on standard DIN 35 mm rails. They offer a modular design that is made of highly durable plastic, which provides resistance to extremely high temperatures ambient temperature rating up to 70°C.

Will these DIN rail cylindrical fuse holders work with a variety of fuse sizes?

In order to fit into the widest variety of applications, these fuse holders are available to be used with the following sizes: 8x32 mm, 10x38mm (midget fuse), Class CC fuses, 14x51 mm, 22x58mm, Class J, 30A, PV fuses 10x38, PV fuses 14x51, PV fuses 22x58, PV fuses 14x85 (1500V DC), and a large number of PV type fuses.



What technical specifications do the DIN rail cylindrical fuse holders offer?

Standard devices are offered at rated voltages up to 690 VAC/1000 VDC, with rated currents up to 100 A, and continual SSR rating up to 200 kA. Units are UL listed and IEC and CSA compliant. Buss bars are available for fast and easy installation, and auxiliary switches are available for 14 and 22 sizes. All contact surfaces are silver plated for high conductivity.

When selecting a cylindrical fuse holder, can I purchase based strictly on the maximum current rating of the device?

It is never recommended to use a fuse that has a higher interrupting capacity than the fuse holder. You have to choose a larger fuse holder if the fuse size is larger than the fuse holder rating for that particular fuse category.

Do I have to be concerned over additional environmental conditions such as dirt, dust or moisture when selecting a cylindrical fuse holder?

Fuse holders in general are designed and manufactured to be mounted inside of a cabinet or enclosure. It is never recommended that they be used in an extreme environmental condition. It is important that your enclosure is designed for the particular environment so that all components are safe to operate as specified.

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What are some typical applications where DIN rail cylindrical fuse holders are best suited?

The most common applications for cylindrical fuse holders are inside industrial control panels. These devices can be found in every size, shape, and color depending on the manufacturer and specific application. In some cases, industrial control panels handle only a few fuse holders while in other more complex applications dozens of fuse holders are used—perhaps even hundreds of fuse holders in a complete installation. Combiner boxes are a very common application where a large number of fuse holders are used. Also, to prevent the derating of an installation and achieve a high value of SCR rating, you must use a fuse and fuse holder.

Are there online applications briefs, configurators, or white papers that can help me select the right product for my application?

Selecting a fuse holder for a fuse is often seen as fairly simple, where a fuse holder is selected by the engineer who selects the fuse. For complex applications or if an engineer has questions companies like Altech provide technical support, which includes product managers and applications engineers who are always available to help customers select the best fuse holders for any application.

DIN Rail Fuse Holders & Disconnectors

Extensive Features Built-In

UL US

CE

35mm

200kA SCR Rating

1 - Space for finger to open fuse carrier

2 - Complete touch protection

3 - All contact surfaces are silver plated

4 - LED indicator is available for all sizes. The LED blinks after the fuse-link opens.

5 - Modular Design. It is easy to assemble multi-pole versions.

6 - Locking Option in ON or OFF positions. (Lock not included)

TYPES

- 10x38 Midget
- PV Type
- CC Type & J Type
- IEC Type

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