

## MDH high surge withstand fuses



# 6.3 mm x 32 mm ferrule and axial lead, high breaking capacity, high I<sup>2</sup>t ceramic tube fuses



The MDH fuse can withstand large surge events without opening

#### Product description:

- Higher I<sup>2</sup>t and higher breaking capacity than most ¼" ferrule fuses
- 600Vac rated ferrule fuse that provides both primary and secondary circuit protection
- High voltage surge withstand capability
- 20 cycles of 1.2/50 µs -8/20 µs, 20 kV/10 kA surge
- UL248-14 compliant
- Ferrule and axial lead options
- Halogen free, lead free, RoHS compliant

#### Features and benefits:

- The high I<sup>2</sup>t can allow higher inrush currents without operating to reduce nuisance openings, but still provide excellent short circuit protection
- The MDH fuse can withstand large surge events without opening, allowing overvoltage devices to operate as designed.
- With a 600Vac rating in a ¼" diameter, a single part number can be applied in platforms with multiple system voltages

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## Specifications

### Ratings:

- Voltage Rating DC: 150 V
- Voltage Rating AC: 600 V
- Current Rating: 21 A
- Interrupting Rating DC: 200 A
- Interrupting Rating AC: 200 A

### Agency information:

- cURus Recognition file number: E19180,  
Vol 7PSE: JET 7042-31007-1001

### Applications

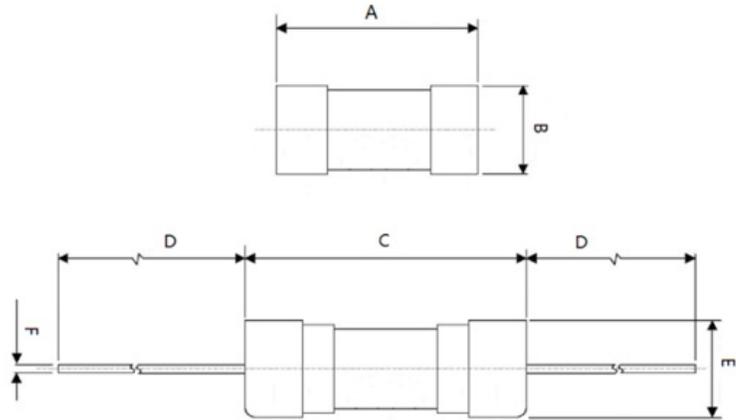
Primary circuit protection:

- Lighting controls
- Surge protectors
- LED and general lighting

## Electrical characteristics:

| $I_n$ | 1.0 $I_n$<br>Min<br>hour | 2.0 $I_n$<br>Max<br>minute |
|-------|--------------------------|----------------------------|
| 21 A  | 4                        | 2                          |

## Product dimensions mm:



| No.       | A            | B          | C            | D           | E           | F           |
|-----------|--------------|------------|--------------|-------------|-------------|-------------|
| Size (mm) | 31.75 ± 1.12 | 6.35 ± 0.3 | 32.72 ± 1.12 | 38.1 ± 3.15 | 6.985 ± 0.3 | 1.20 ± 0.05 |

## Packaging and ordering information:

- BK (100 parts per carton)
- TR (500 parts per roll)

| Part Number       | Ordering Code |              |
|-------------------|---------------|--------------|
|                   | -BK option    | -TR option   |
| <b>Ferrule</b>    |               |              |
| MDH-21-R          | MDH-21-R-BK   |              |
| <b>Axial Lead</b> |               |              |
| MDH-V-21-R        | MDH-V-21-RBK  | MDH-V-21-RTR |

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