

Type FCD

Fast Acting High Breaking Capacity

5 x 20 mm Ceramic Fuse



www.optifuse.com (619) 593-5050

Agency Standards and Listings:



Interrupt Ratings:

250mA ~ 16A 1,500A at 250V AC (All)
 250mA ~ 16A 1,000A at 250V DC UL
 FCD-6.3A-UL: 250mA ~ 6.3A 10,000A at 250V AC UL
 *FCD-6.3A not UL approved at 10,000A at 250V AC UL

Time Characteristics

| Rated Current | 210% | | 275% | | 400% | | 1000% |
|---------------|--------|-------|--------|-------|--------|-------|-------|
| | MAX | MIN | MAX | MIN | MAX | MAX | |
| 250mA~4A | 30 min | 10 ms | 2 sec | 3 ms | 300 ms | 20 ms | |
| 5A~6.3A | 30 min | 10 ms | 3 sec | 3 ms | 300 ms | 20 ms | |
| 8A~10A | 30 min | 40 ms | 20 sec | 10 ms | 1 sec | 30 ms | |
| >10A | 30 min | 40 ms | 20 sec | 10 ms | 1 sec | 40 ms | |

| Cartridge Part number | Axial Lead Part number | Amper e Rating | Nominal Melting I _t ² A ² Sec | Voltage Rating | | | | | | | |
|-----------------------|------------------------|----------------|--|----------------|-----|-------|-----|--------|-----|-----|----|
| | | | | CCC | CQC | SEMKO | VDE | UR/CUR | BSI | PSE | KC |
| FCD-250mA | FCD-P-250mA | 250mA | 0.0040 | * | * | * | * | * | * | * | * |
| FCD-315mA | FCD-P-315mA | 315mA | 0.0142 | * | * | * | * | * | * | * | * |
| FCD-400mA | FCD-P-400mA | 400mA | 0.0200 | * | * | * | * | * | * | * | * |
| FCD-500mA | FCD-P-500mA | 500mA | 0.0309 | * | * | * | * | * | * | * | * |
| FCD-630mA | FCD-P-630mA | 630mA | 0.0672 | * | * | * | * | * | * | * | * |
| FCD-800mA | FCD-P-800mA | 800mA | 0.1210 | * | * | * | * | * | * | * | * |
| FCD-1A | FCD-P-1A | 1A | 0.2019 | * | * | * | * | * | * | * | * |
| FCD-1.25A | FCD-P-1.25A | 1.25A | 0.4489 | * | * | * | * | * | * | * | * |
| FCD-1.6A | FCD-P-1.6A | 1.6A | 1.243 | * | * | * | * | * | * | * | * |
| FCD-2A | FCD-P-2A | 2A | 2.204 | * | * | * | * | * | * | * | * |
| FCD-2.5A | FCD-P-2.5A | 2.5A | 1.995 | * | * | * | * | * | * | * | * |
| FCD-3.15A | FCD-P-3.15A | 3.15A | 4.271 | * | * | * | * | * | * | * | * |
| FCD-4A | FCD-P-4A | 4A | 12.22 | * | * | * | * | * | * | * | * |
| FCD-5A | FCD-P-5A | 5A | 24.20 | * | * | * | * | * | * | * | * |
| FCD-8A | FCD-P-8A | 8A | 102.2 | * | * | * | * | * | * | * | * |
| FCD-10A | FCD-P-10A | 10A | 204.7 | * | * | * | * | * | * | * | * |
| FCD-12 A | FCD-P-12A | 12A | 360.5 | | | * | | * | | * | |
| FCD-12.5A | FCD-P-12.5A | 12.5A | 407.6 | | * | * | | * | | * | |
| FCD-15A | FCD-P-15A | 15A | 602.5 | | | * | | * | | * | |
| FCD-16A | FCD-P-16A | 16A | 642.7 | | | * | | * | | * | |

250V

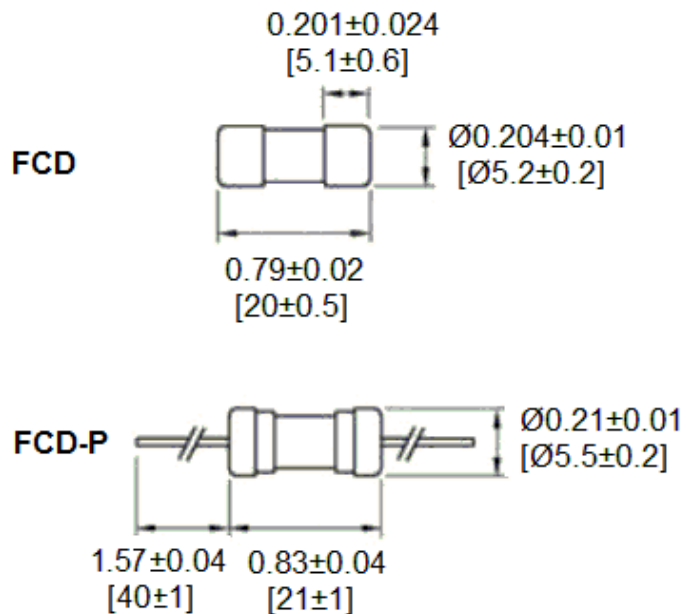
Operating Temperature:

-55°C to +125°C

Material:

Ceramic Body/Nickel Plated Brass Caps
 Lead Wire Ø0.65mm Diameter – 8A and less.
 Ø0.8mm Diameter – 8a~ 12A.
 Ø1.0mm Diameter – over 12A.

Mechanical Dimensions: Inches [mm]

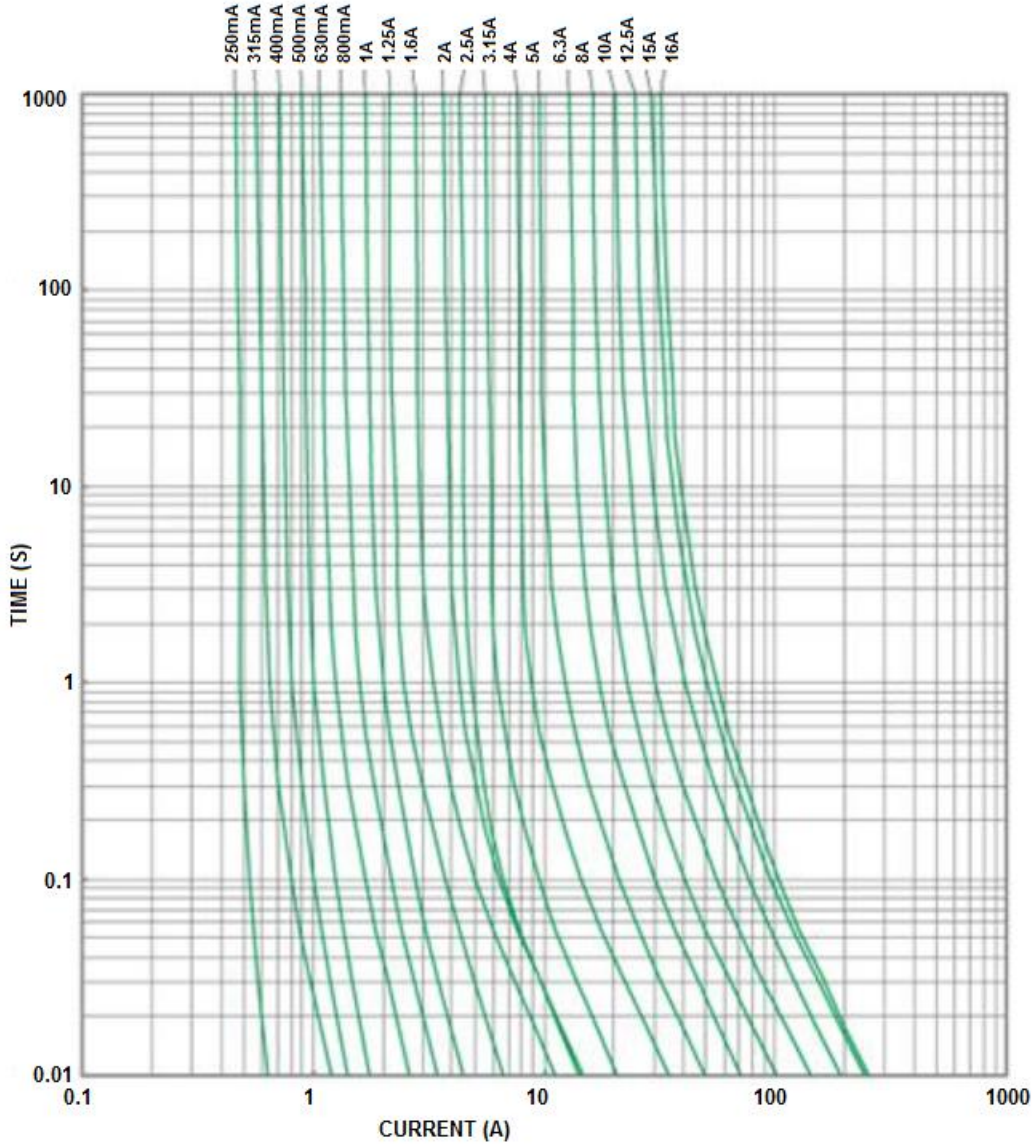



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Fast Acting High Breaking Capacity
5 x 20 mm Ceramic Fuse



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Part Number FCD
TIME CURRENT CURVES



| | |
|--|---|
| <p>Warning:</p>  | <ul style="list-style-type: none"> -Operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and/or flame. -Glass Fuse device are intended for occasional overcurrent protection. Application for repeated overcurrent condition and/or prolonged trip are not anticipated. -Avoid contact of Glass Fuse device with chemical solvent. Prolonged contact will damage the device performance. |
|--|---|

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