

RoHS
Compliant



Description

This series is fast-acting, high breaking capacity fuse.

Features

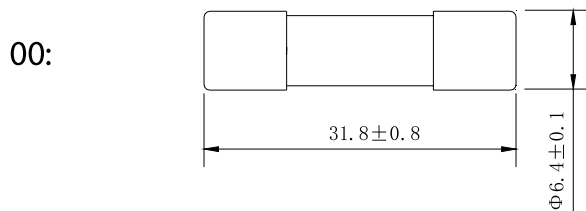
- Fast-Acting, high breaking capacity under 500V AC/DC.
- $\Phi 6\text{mm} \times 32\text{mm}$ physical size
- Special engineering material tube, Silver plated copper cap construction.
- High breaking capacity for high energy application.
- Lead Free and Halogen free material.

Specifications

Operating Temperature	: -55°C to 125°C
Storage Conditions	: +10°C to +60°C
Relative humidity	: $\leq 75\%$ yearly average without dew, maximum 30 days at 95%
Vibration Resistance	: 24 cycles at 15 min. each (60068-6) 10-60Hz at 0.75mm amplitude 60-2000Hz at 10g acceleration

Construction And Mechanical Characteristics

Dimensions



Dimensions : Millimetres

Electrical Specifications

Time vs Current Characteristics Table

(measured with constant current power supply)

Rated Current	150	200	300
10A~30A	<30min	<5min	<10s

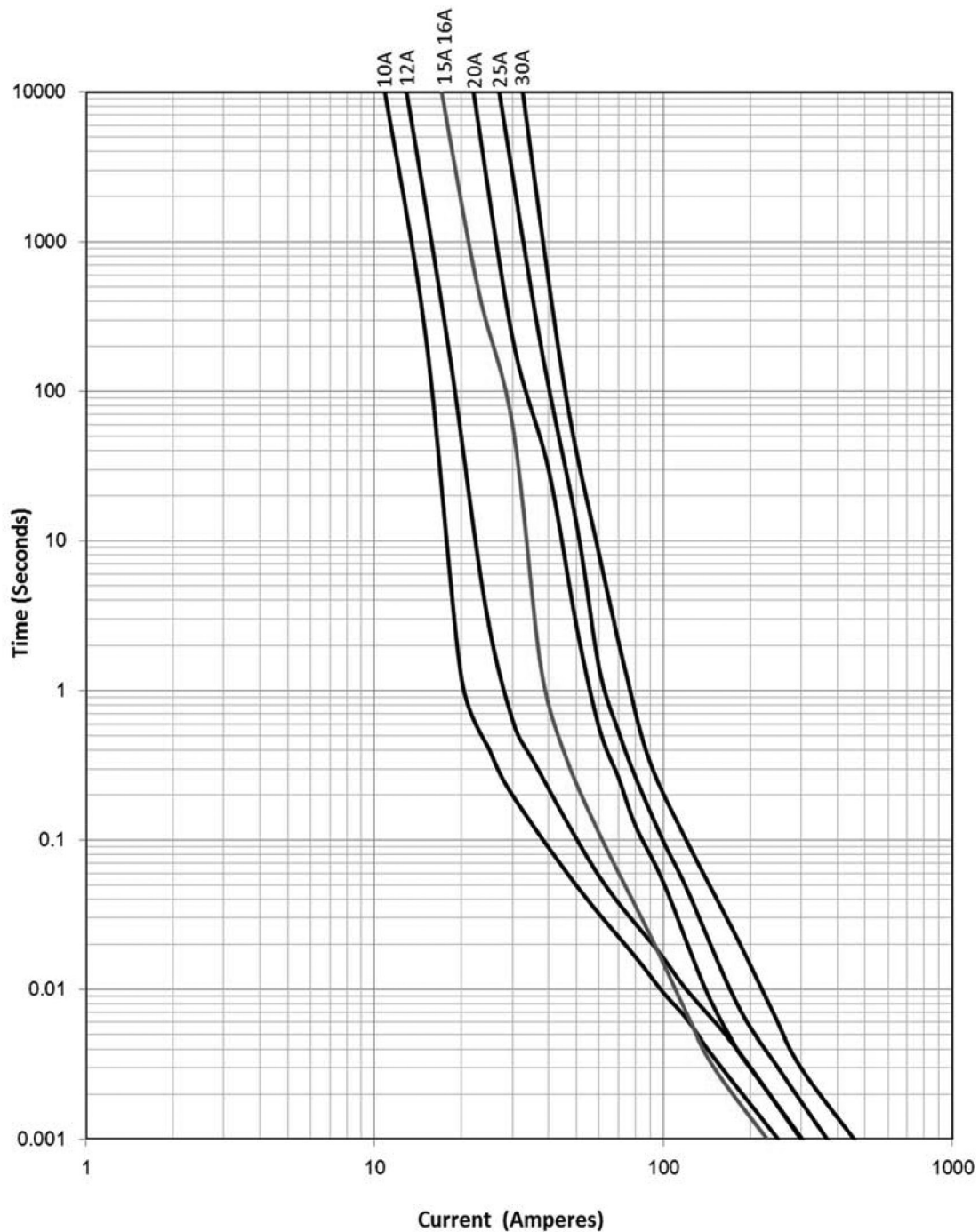
Electrical characteristics

Electrical Characteristics at 25°C					
Amp Code	Rated Current	Rated Voltage	Breaking Capacity	Typical Cold Resistance (mΩ)	Typical Melting I ² T (A ² s)
MP013392	10A	500V AC 500V DC	30KA @ 500V AC 20KA @ 500V DC	17.1	100
MP013393	12A			12.3	140
MP013394	15A			8	66
MP013395	16A			8	62
MP013396	20A			5.5	120
MP013397	25A			4.6	200
MP013398	30A			3.7	270

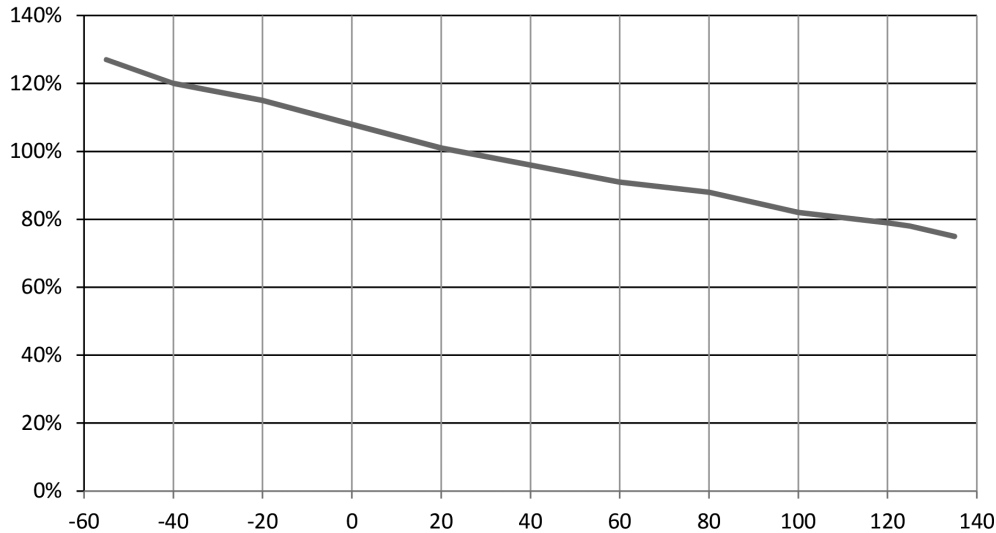
Notes: (1) DC cold resistance are measured at <10% of rated current in ambient temperature of 25°C.

(2) Typical pre-arcing I²t are measured at 10I_n current.

Average Time Current (I-T) Curves



Temperature Derating Curve



Part Number Table

Description	Part Number
Cartridge Fuse, 10A, 500V AC/DC, Lead Free	MP013392
Cartridge Fuse, 12A, 500V AC/DC, Lead Free	MP013393
Cartridge Fuse, 15A, 500V AC/DC, Lead Free	MP013394
Cartridge Fuse, 16A, 500V AC/DC, Lead Free	MP013395
Cartridge Fuse, 20A, 500V AC/DC, Lead Free	MP013396
Cartridge Fuse, 25A, 500V AC/DC, Lead Free	MP013397
Cartridge Fuse, 30A, 500V AC/DC, Lead Free	MP013398

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.