

RoHS
Compliant



Description

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

Features

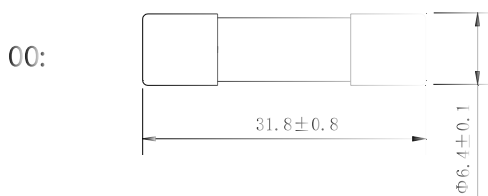
- Fast-Acting, high breaking capacity under 500V AC/DC.
- $\Phi 6\text{mm} \times 32\text{mm}$ physical size
- Special engineering material tube, Silver plated copper cap construction.
- High breaking capacity for high energy application.

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 characteristics

Electrical Characteristics at 25°C						
Amp Code	Rated Current	Rated Voltage	Breaking Capacity	Typical Voltage Drop(mV)	Typical Cold Resistance (mΩ)	Typical Melting I ² T (A ² s)
MP013399	10A	500V AC 500V DC	1KA @ 500V AC 1KA @ 500V DC	265	17.1	100
MP013400	12A			220	12.3	140
MP013401	15A			185	8	66
MP013402	16A			190	8	62
MP013403	20A				5.65	125
MP013404	25A				4.35	270
MP013405	30A			205	3.5	450

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.

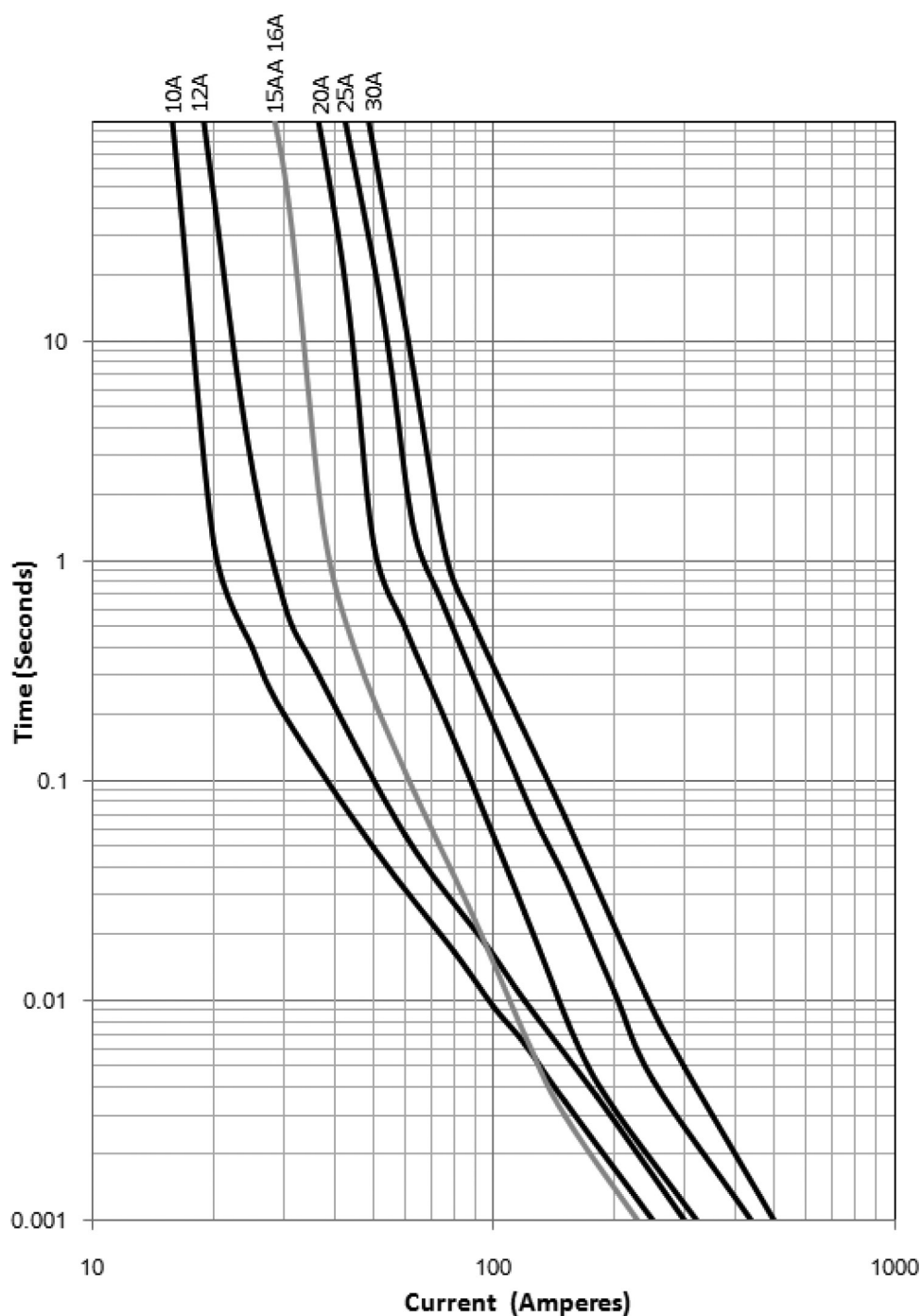
Electrical Specifications

Time vs Current Characteristics Table

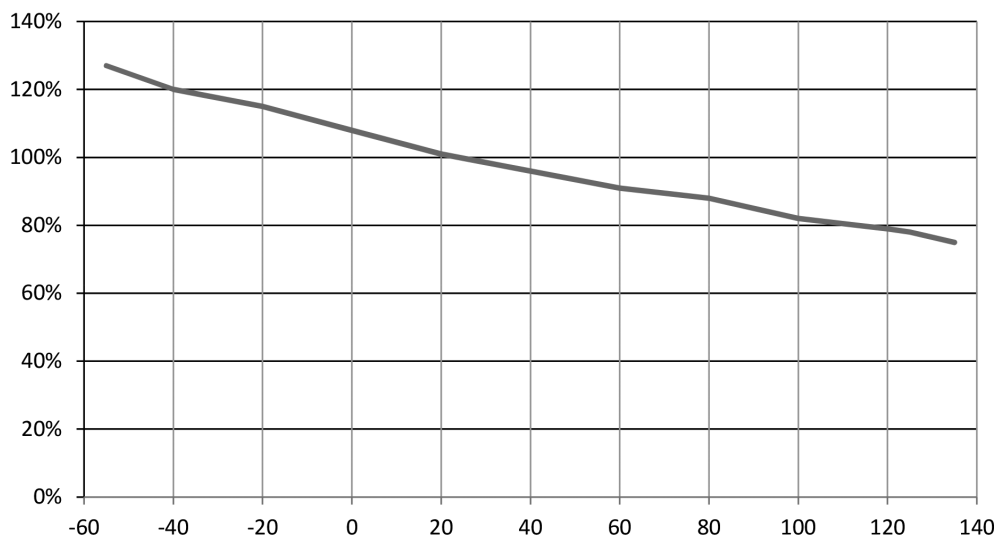
(measured with constant current power supply)

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

Average Time Current (I-T) Curves



Temperature Derating Curve



Part Number Table

Description	Part Number
Cartridge Fuse, 10A, 500V AC/DC, Lead Free	MP013399
Cartridge Fuse, 12A, 500V AC/DC, Lead Free	MP013400
Cartridge Fuse, 15A, 500V AC/DC, Lead Free	MP013401
Cartridge Fuse, 16A, 500V AC/DC, Lead Free	MP013402
Cartridge Fuse, 20A, 500V AC/DC, Lead Free	MP013403
Cartridge Fuse, 25A, 500V AC/DC, Lead Free	MP013404
Cartridge Fuse, 30A, 500V AC/DC, Lead Free	MP013405

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