Industrial Fuse | 10x38mm
Ceramic Tube Fuses

10CT120 Series

RoHS 2002/95/EC

Features

- Fuse for industrial power Applications
- 10x38mm physical size
- Designed to UL248-1
- RoHS compliant

Electrical Characteristics

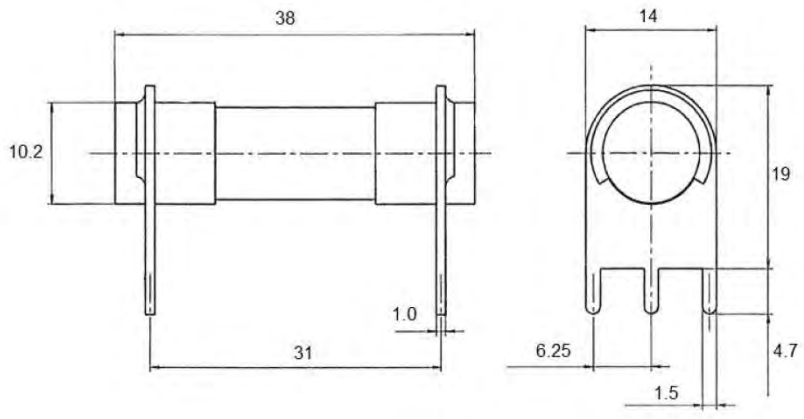
Current Rating	% of Ampere Rating	Opening Time
31.5A – 80A	100%	4 hours Min.
	200%	120 sec Max.

Specifications

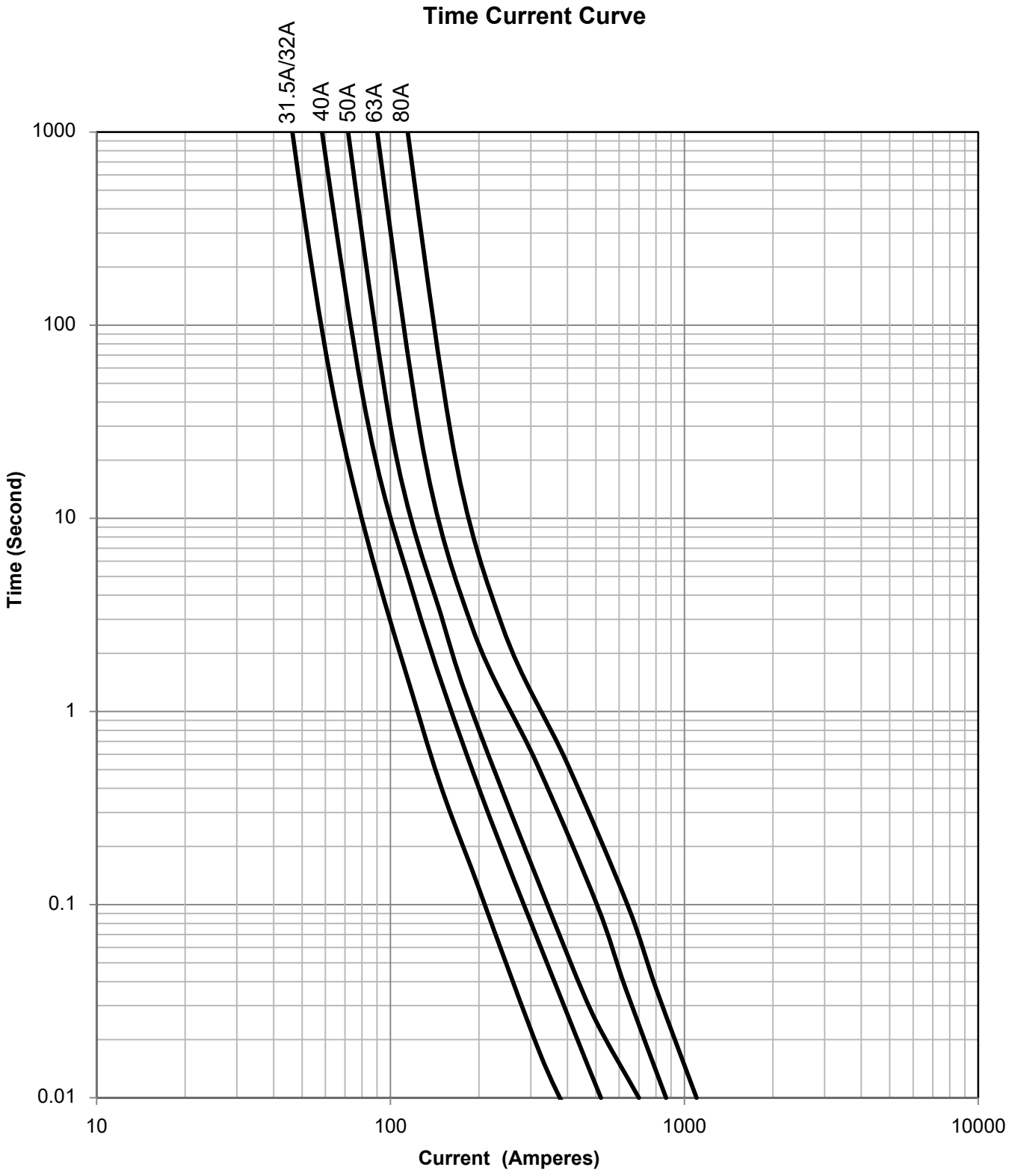
Ordering P/N	Rated Current	Rated Voltage	Breaking Capacity	Typical Resistance	Energy Integrals I^2t (A^2S)	Power Loss @ 1.0In (W)
				mOhms	Pre-Arcing	1.0In
10CT120-31.5A-D	31.5A	500VAC 125VDC	1500A @ 500VAC 1500A @ 125VDC	3.55	1500	5.2
10CT120-32A-D	32A			3.55	1500	5.2
10CT120-40A-D	40A			2.45	4600	5.7
10CT120-50A-D	50A			2.00	2600	9.0
10CT120-63A-D	63A	250VAC 125VDC	2500A @ 250VAC 1500A @ 125VDC	1.50	7500	9.8
10CT120-80A-D	80A			1.04	24000	10.4

- DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25℃
- Typical Pre-arcing I^2t are measured at 10In crent

Dimension (Unit: mm; drawing not in scale) D terminal

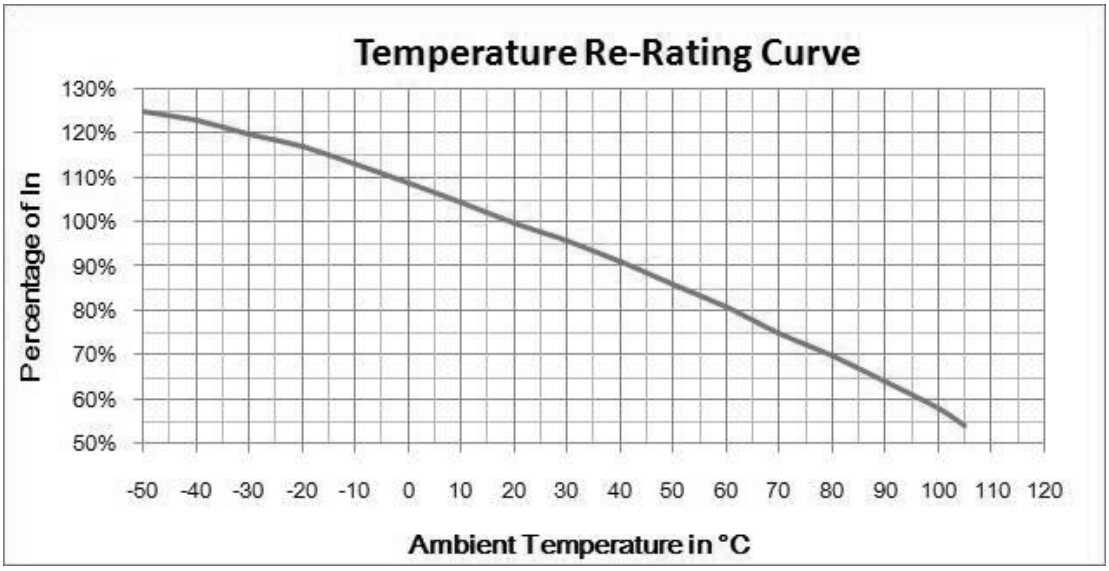


Time-Current Characteristics



Temperature Re-rating Curve

When choosing the fuse's specification, if the operating environmental temperature beyond the scope from 20~30℃, you should consider the environmental temperature's affection to fuses. Please refer: Temperature-Current curve:



Storage Conditions

Under airtight in temperature+10℃～60℃、relative humidity ≦75% can store 3 years.
Without dew in temperature+10℃～60℃、relative humidity be 95% maximum value for 30days.

Recommended Soldering Parameters

Wave Parameters:

Solder Pot Temperature : 270℃ Max Solder Dwell Time : 10s Max

Hand-Solder Parameters:

Solder Iron Temperature : 350±5℃ Heating Time : 5s Max