

INDIVIDUAL SPECIFICATION SHEET

Product Name: 10HVA Series**Part Number: 10HVA Series****Revision: A****Dong guan TLC Electronic Technology Co., LTD**

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Rev.	Effective Date	Changed Contents
A	2020-1-16	New Release

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PREPARED BY**APPROVED BY**

Description

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

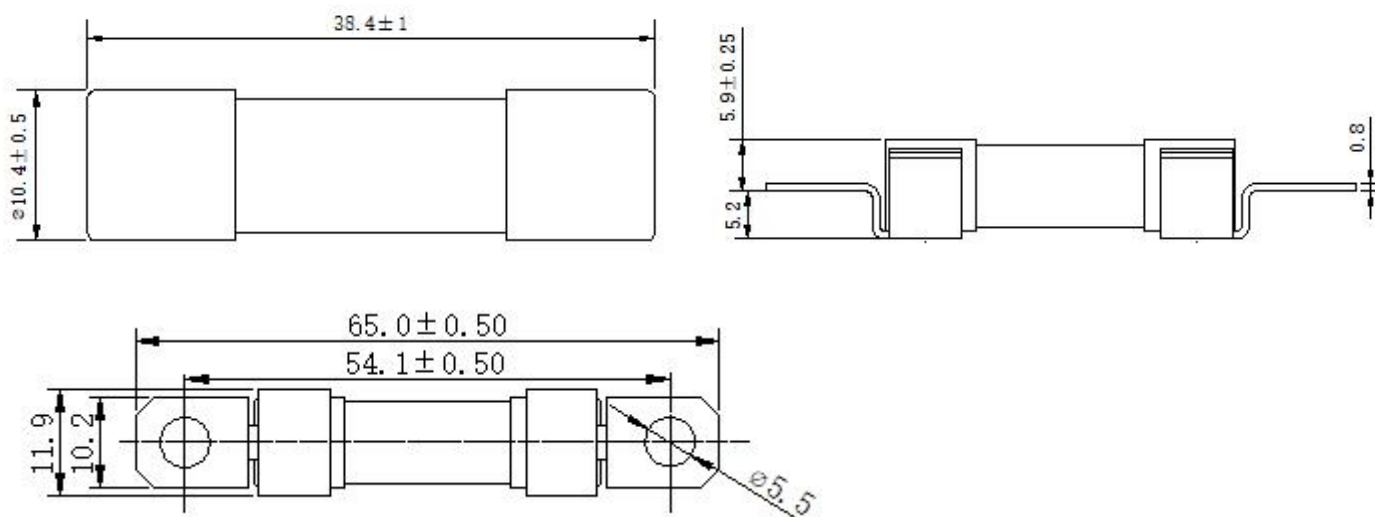
Electrical Characteristics		
Rated Current	1.0In	2.0In
31.5A – 80A	4 hour min.	120 sec max.

Specifications

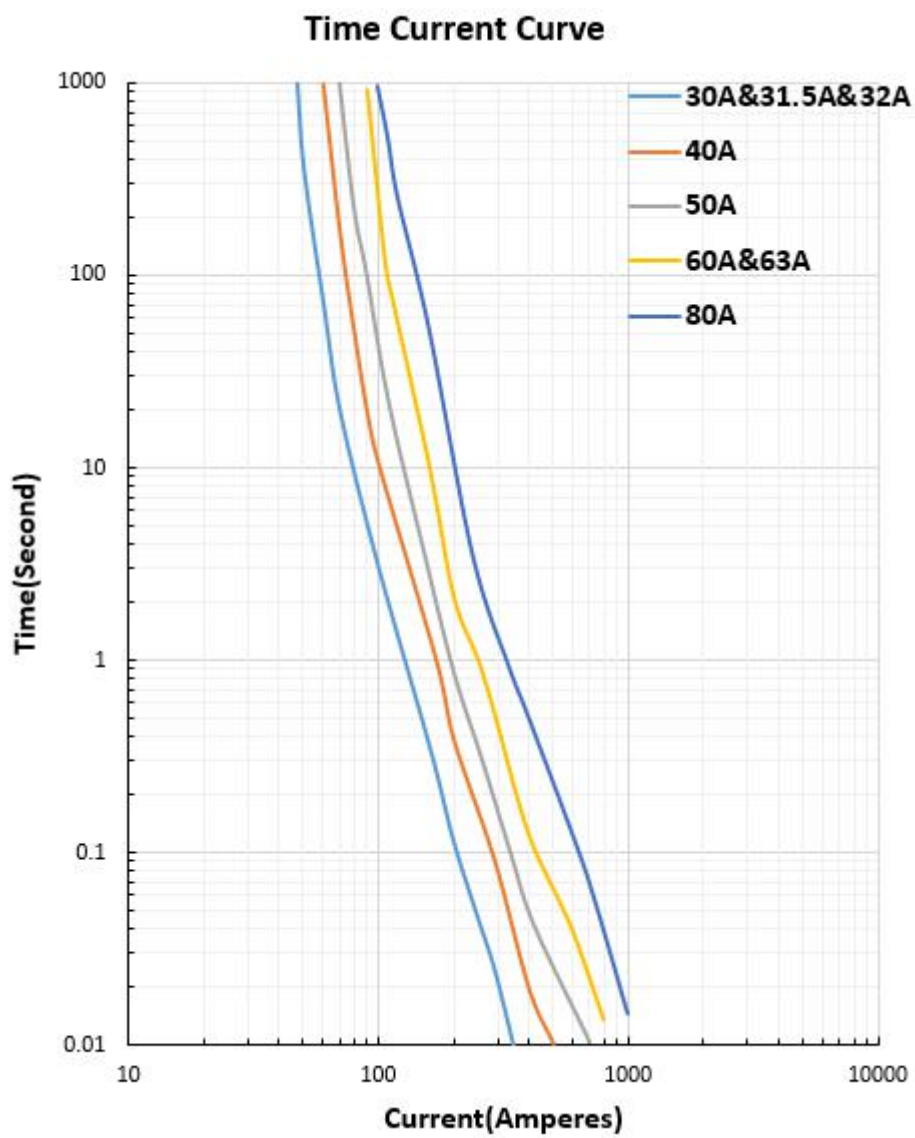
Specification						
订购料号 Ordering P/N	Rated Current	Rated Voltage	Breaking Capacity	Typical resistance mOhms	Energy Integrals I ² t (A ² S) Pre-Arcing	Power Loss @ 1.0In 1.0In
10HVA.30	30A	500VAC	1500A @ 500VAC	3.55	1500	5.2
10HVA.31.5	31.5A			3.55	1500	5.2
10HVA.32	32A			3.55	1500	5.2
10HVA.40	40A	125VDC	1500A @ 125VDC	2.45	4600	5.7
10HVA.50	50A			2.00	2600	9.0
10HVA.60	60A	250VAC	2500A @ 250VAC	1.2	7500	9.8
10HVA.63	63A			1.2	7500	9.8
10HVA.80	80A			1.04	24000	10.4

- DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C
- Typical Pre-arcing I²t are measured at 10In Current

Dimension



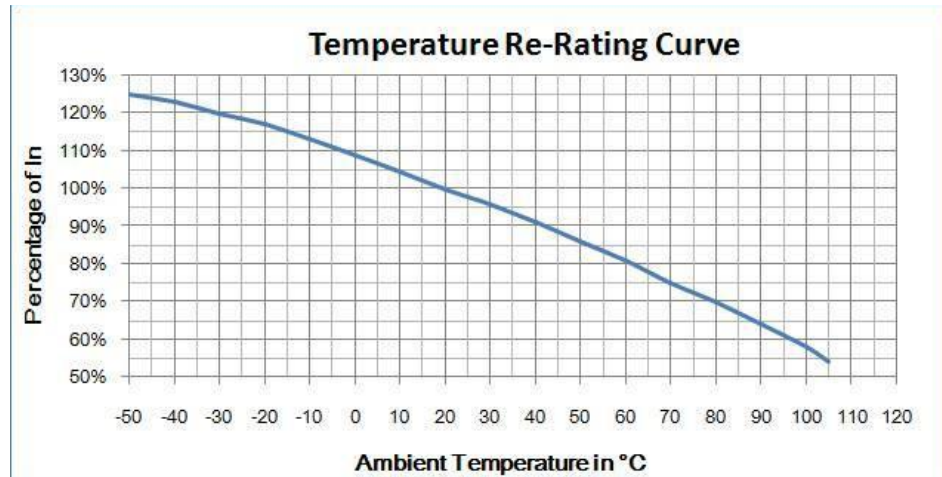
Time-Current Characteristics



Operating Temperature:-55℃～125℃

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 $\leq 75\%$ 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: 5 s Max