

500VAC/DC, High Speed Fuse

ST380501 Series



Description

- High Speed fuse
- Stud-mount
- Excellent DC performance

Specifications

Ordering P/N	Electrical Characteristics					
	Rated Current Amp)	Rated Voltage	Breaking Capacity kA)	Energy Integrals I ² t (A ² S)		
				Pre-Arcing	Clearing at 500V	Power Loss (W)
ST380501-250	250A	500Vac 500Vdc	50kA	18560	46100	37
ST380501-300	300A			32000	62500	51
ST380501-350	350A			48500	93000	60
ST380501-400	400A			57000	118000	80

Dimension (mm)/

Single







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Time-Current Curve







Application Note

- A fuse is easily influenced by its surrounding atmosphere and by the power of the continuous electric current passing through it. To lengthen the life span of your fuses, ensure that your target workload is less than 65% of their rated current.
- When using a fuse in a DC circuit, depending on the circuit condition, you may have to use a higher rated voltage fuse than the circuit voltage. (See time constant graph below)



If there is a possibility of due to an over loaded current which is in dot-line zone of TCC curve, the fuse should be used in conjunction with other protectors.



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When the applied current is lower than the rated current, you can get the value of the power loss as follow:

Power loss of rated current * Coefficient $\,\,\alpha\,$ of the applied current.

