Sensata Technologies

690V, BS88-4 Semiconductor Fuse

Description 描述

➢ BS88-4 style stud-mount Fuse 螺栓安装类型熔断器

➢ High speed semi-conductor fuse 快速半导体熔断器

➢ 690Vac/500Vdc, IEC 60269-4/BS88-4/GB13539-4, Type A

Specifications 电气特性

Type 类型	Ordering P/N 订购料号	Electrical Characteristics					
		Rated Current (RMS-A)	Interrupting rating	Energy Integrals I^2t (A^2S)			Power Loss (W)
				Pre-Arcing	Clearing at 415V	Clearing at 660V	
STHCT	STHCT-6	6	690Vac/50 kA 500Vdc/10 kA	1.8	8.5	12	2
	STHCT-10	10		7	30	48	3
	STHCT-12	12		10	40	65	3
	STHCT-16	16		16	66	110	7
	STHCT-20	20		32	150	220	7
STHET	STHET-25	25		25	150	250	7
	STHET-32	32		32	190	350	11
	STHET-35	35		33	130	200	9
	STHET-40	40		103	600	900	9
	STHET-45	45		76	270	450	11
	STHET-50	50		103	380	600	11
	STHET-63	63		135	480	750	12
	STHET-71	71		210	600	950	17
	STHET-80	80		250	900	1500	20
	STHET-90	90		360	1300	2100	20
	STHET-100	100		470	1800	2800	23
STHFM	STHFM-160	160		2400	15000	25000	26
	STHFM-180	180		1400	7500	13500	40
	STHFM-200	200		2600	10500	18500	40
	STHFM-225	225		3700	14500	26500	44
	STHFM-250	250		5200	20500	37500	48
	STHFM-280	280		7000	30500	55000	48
	STHFM-315	315		10000	40000	77000	55
	STHFM-350	350		15000	60000	105000	55
STHFMM	STHFMM-400	400		10000	40000	72500	85
	STHFMM-450	450		15000	60000	105000	90
	STHFMM-500	500		20000	82000	150000	100
	STHFMM-550	550		30000	120000	215000	100
	STHFMM-630	630		45000	180000	310000	100
	STHFMM-700	700		60000	245000	420000	120

➢ Typical Pre-arcing I2t are measured at 10In Current

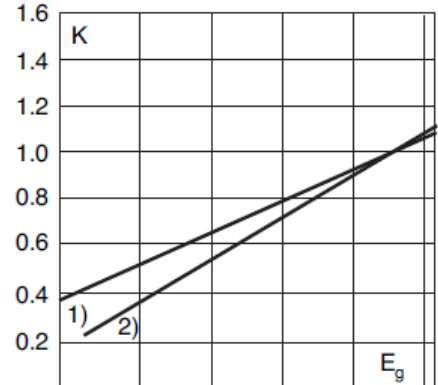➢ Power loss provided at rated current
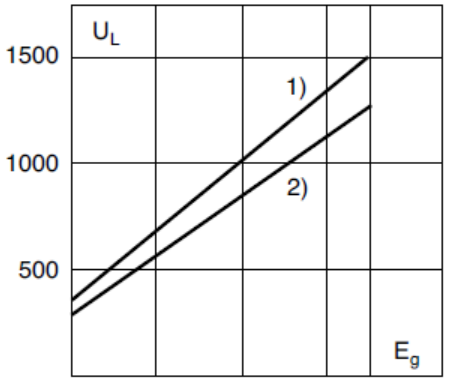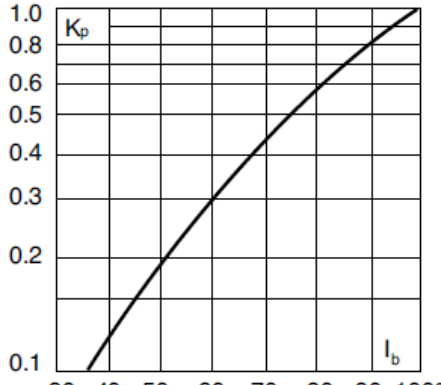
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Dimension (mm)尺寸

Type: STHCT   STHET

Type: STHFM   STHFMM
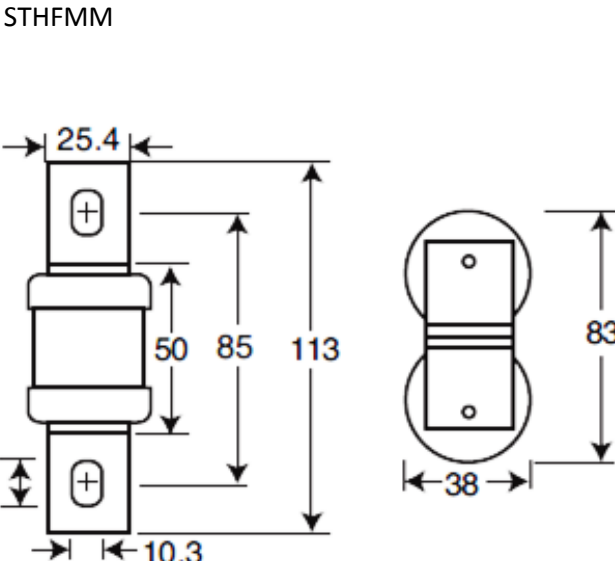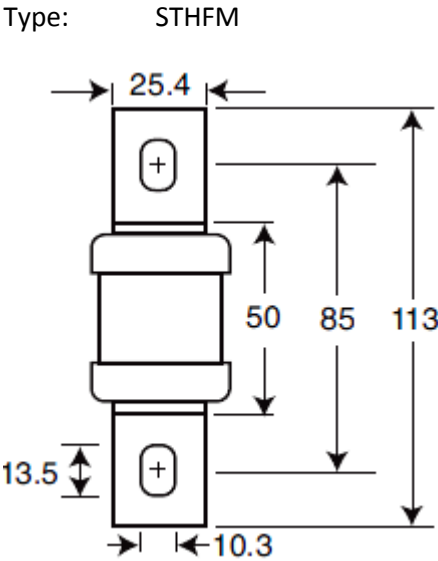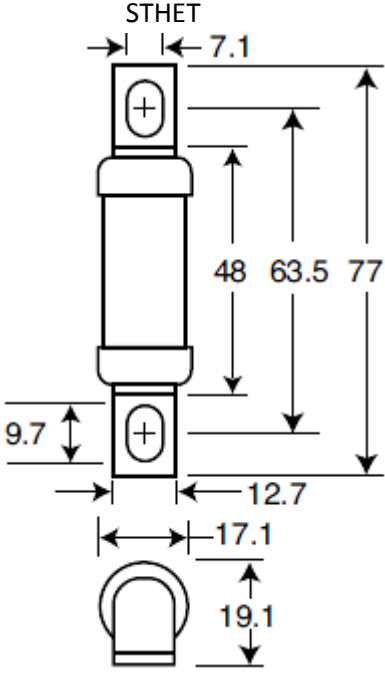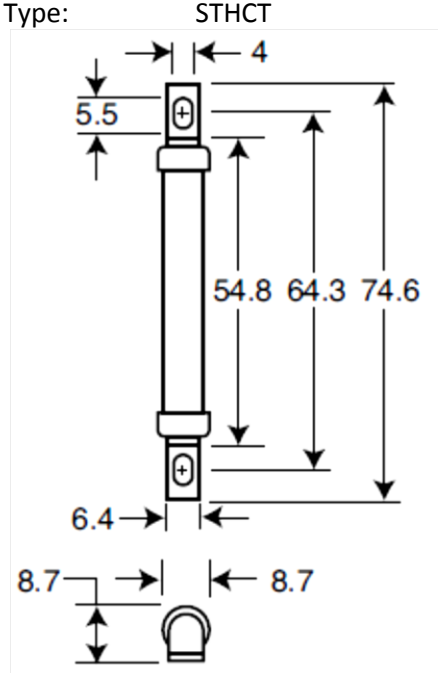
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Electrical Characteristics 电气特性

Total Cleaning I²t 焦耳积分值 I²t	Arc Voltage 弧电压	Power Loss 功率损耗
The total clearing I2t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I2t is found by multiplying by correction factor, K, given as a function of applied working voltage, Eg, (rms). 电气特性中给出的总焦耳积分 I2t 是在额定电压和 15%功率因素下所得. 如果施加的电压不同, 可以乘以校正因数 K 求得实际的 I2t. 参阅下图中 K 与工作电压 Eg 的关系.	This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (rms) at a power factor of 15%. 下图中的曲线说明了 15%功率因数时施加的工作电压 Eg(RMS)与工作时熔断器上可能出现的峰值弧电压 UL 的函数关系.	Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the power losses at load currents lower than the rated current. The correction factor, Kp, is given as a function of the RMS load current, Ib, in % of the rated current. 以下电气特性曲线说明了额定电流时的功率损耗. 根据曲线可以计算出负载电流低于额定电流时的功率损耗. 校正因数 Kp 是负载率(RMS 负载电流 Ib 除以额定电流得出的百分比)的函数
1) STHCT, STHET, HEET, STHFMM 2) STHFM	 1) STHCT 2) STHET, HEET, STHFM, STHFMM	

Time-Current Curve 时间电流曲线
STHCT-6~20A

Virtual Pre-Arcing Time in Seconds

Prospective Current in Amps RMS
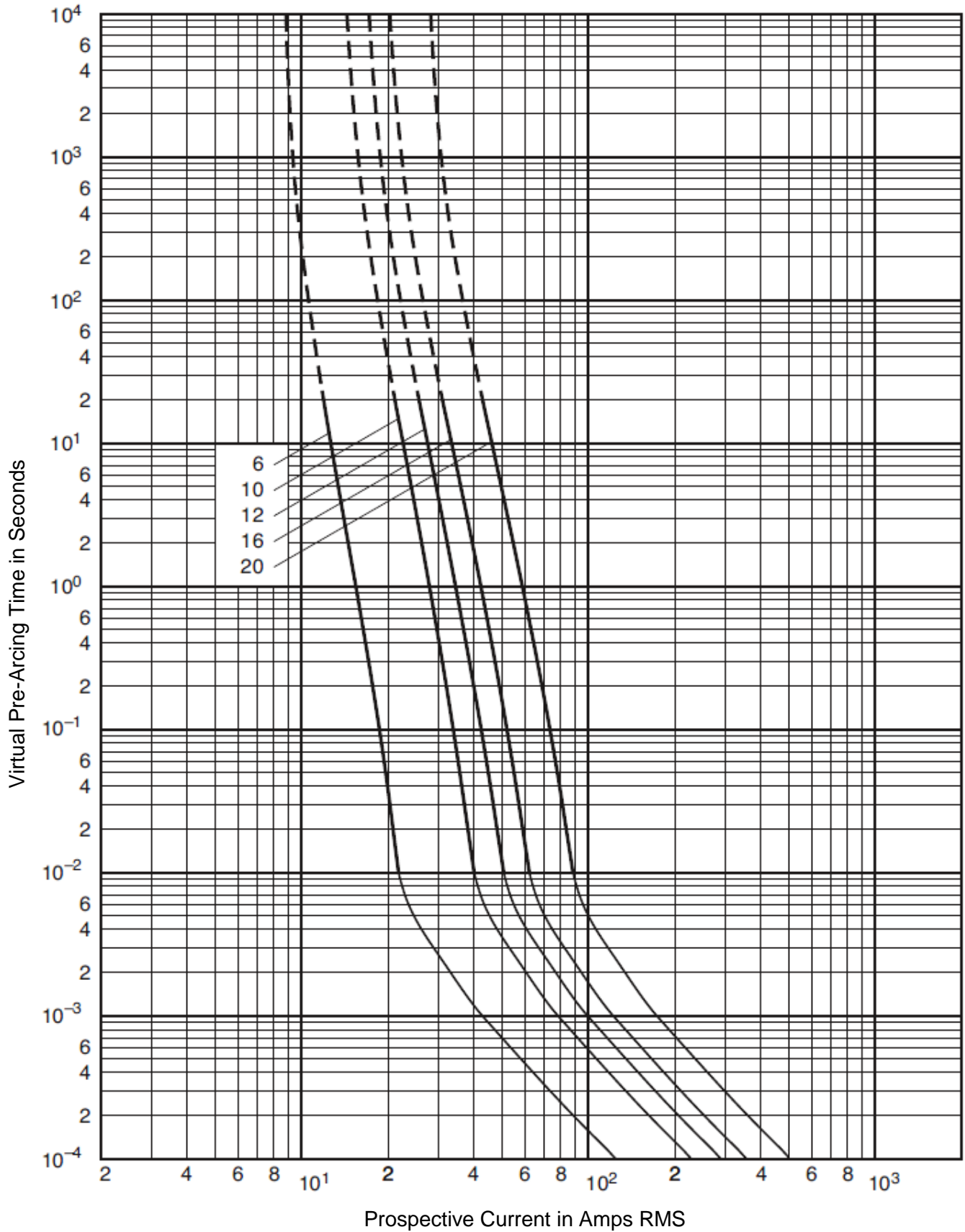
STHET-35~100A and STHFM-180~350A

Virtual Pre-Arcing Time in Seconds

Prospective Current in Amps RMS

HFM
180
200
220
250
280
315
350

HET
35
40
45
50
63
71
80
90
100

Virtual Pre-Arcing Time in Seconds

HFMM
400
450
500
550
630
700

Prospective Current in Amps RMS