

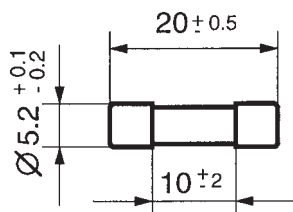
FUSES

Non resettable fuses

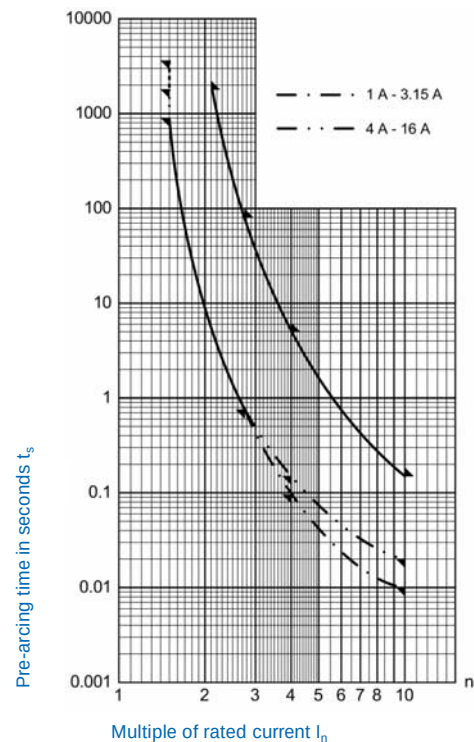
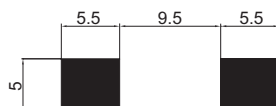
SMD-SPT 5 × 20

Surface Mount Fuses Type SMD-SPT 5 × 20

time-lag T
high breaking capacity H
Ceramic tube



Solder pads



Pre-arcing time/current characteristic (at T_a 23 °C)

n · I _n Rated current I _n	1,5 · I _n *		2,1 · I _n		2,75 · I _n		4 · I _n		10 · I _n	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
1 – 3,15 A	60 min	30 min	750 ms	80 s	95 ms	5 s	10 ms	150 ms		
4 – 6,3 A	60 min	30 min	750 ms	80 s	150 ms	5 s	20 ms	150 ms		
8 – 10 A	30 min	30 min	750 ms	80 s	150 ms	5 s	20 ms	150 ms		
12,5 – 16 A	15 min	30 min	750 ms	80 s	150 ms	5 s	20 ms	150 ms		

* Non fusing current I_{nf}

Order No.	Rated current I _n Rated voltage U _n	Breaking capacity	Voltage drop		Sustained power dissipation		Pre-arcing I ² t at 10xI _n A ² s	Approvals	
			at I _n typ. Schurter mV	max. IEC 60 127-2/5 mV	at 1,5 I _n typ. Schurter W	max. IEC 60 127-2/5 W		VDE	UL
0001.2704.XX	1 A / 250 V	IEC: 1500 A / 250 V AC / p.f. / cos φ 0.7–0.8 UL: 10 000 A / 125 V AC / p.f. / cos φ 0.7–0.8	180	250	0,5	2,5	1,1	•	•
0001.2705.XX	1,25 A / 250 V		150	250	0,5	2,5	1,86	•	•
0001.2706.XX	1,6 A / 250 V		130	200	0,5	2,5	4,35	•	•
0001.2707.XX	2 A / 250 V		120	190	0,6	2,5	9,2	•	•
0001.2708.XX	2,5 A / 250 V		100	180	0,6	2,5	11,7	•	•
0001.2709.XX	3,15 A / 250 V		100	140	0,8	4,0	33,7	•	•
0001.2710.XX	4 A / 250 V		90	100	0,9	4,0	62,4	•	•
0001.2711.XX	5 A / 250 V		90	100	1,2	4,0	97,5	•	•
0001.2712.XX	6,3 A / 250 V		70	100	1,2	4,0	171	•	•
0001.2713.XX	8 A / 250 V		70	100	1,3	4,0	268	•	•
0001.2714.XX	10 A / 250 V		70	100	2,1	4,0	400	•	•
0001.2715.XX	12,5 A / 250 V *		70	*	3,1	*	563	•	•
0001.2716.XX	16 A / 250 V *		70	*	4,0	*	1272	•	•

XX Index for packaging

All measurements are carried out in a test equipment according to IEC 60127-2

* Not mentioned in the IEC standard (Pre-arcing time / current characteristics according to IEC 60127-2/5)

UL: 1000A / 250 V AC / p.f. / cos φ 1

UL: 500 A / 125 V AC / p.f. / cos φ 0,7–0,8
1000 A / 125 V AC / p.f. / cos φ 1
500 A / 250 V AC / p.f. / cos φ 1

Additional technical data and packaging see page 66

FUSES

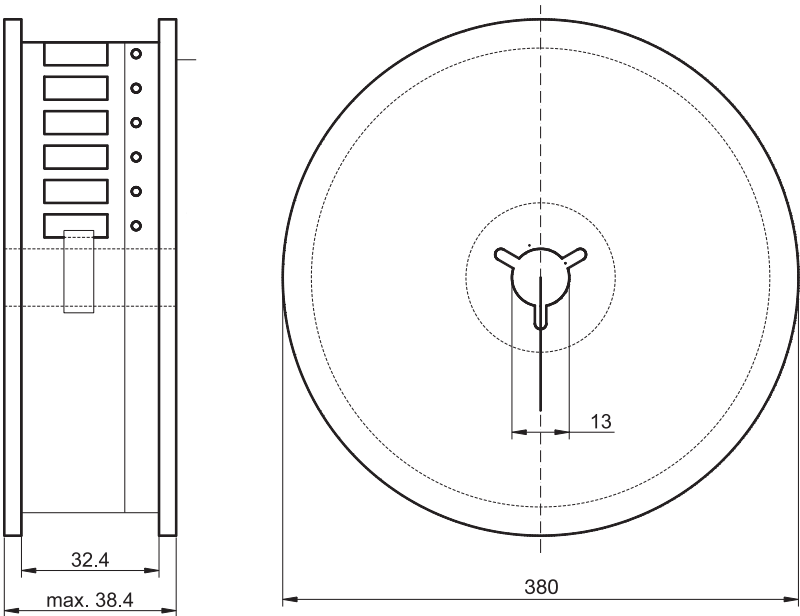
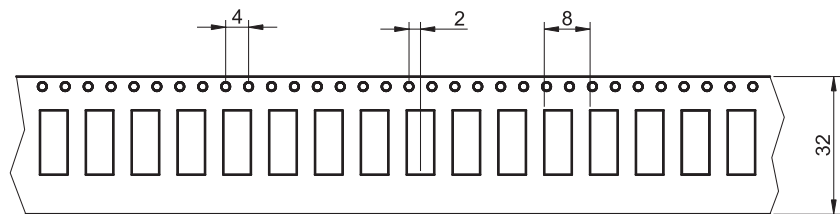
Non resettable fuses

SMD-FST 5 × 20, SMD-FTT 5 × 20, SMD-SPT 5 × 20

Additional technical Data:	
Marking	Rated voltage, rated current, H / L (IEC-Symbol for breaking capacity) FST / SPT:  T (time-lag) FTT:  TT (super-time-lag)
Storage temperature max.:	40 °C / 70% r.H.
Ambient temperature max.:	T _a -40°C to +125°C
Resistance to vibration:	acc. to IEC 60068-2-6, test Fc: Frequency 10–2000 Hz, cross-over frequency 60 Hz < 60 Hz: amplitude 0.75 mm > 60 Hz: acceleration 10g
Resistance to shock:	981 m/s ² (100g), 6 ms, acc. to IEC 60068-2-27, test Ea
Climatic category:	40/125/21 according to ICE 60068-1
Solderability:	Reflow- and Wave soldering 235 °C / 2 sec. acc. to IEC 60068-2-58 test Td
Soldering heat resistance:	260 °C / 10 sec. acc. to IEC 60068-2-58 test Td
Materials:	Housing glass / hard glass Terminals Brass / Ni-Au coated
Net weight pieces %	100 g
Fuse-link temperature	I _n ≤ 10 A: track width ≥ 5 mm / 35 µm Cu
Rise ≤ 75 K	I _n > 10 A: track width ≥ 10 mm / 70 µm Cu

Explanation to the approvals

Country	Authority	Type of authorization	Test norm	Approval
USA / Canada	UL	Recognition	FST / FTT / SPT: according to UL 248.14	 US
Europe	VDE	Certificate of conformance	FST: IEC 60127-2/3 SPT: IEC 60127-2/5	



Packaging : 0001.XXXX.XX

- 11 = Boxes of 100 pieces
- 22 = Taped and reeled 2000 pieces