

FUSES

Non resettable fuses

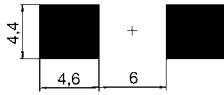
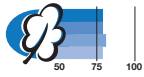
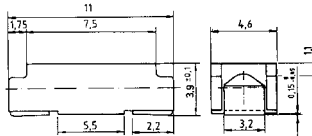
Surface Mount Fuses Type OMT 250

time-lag T

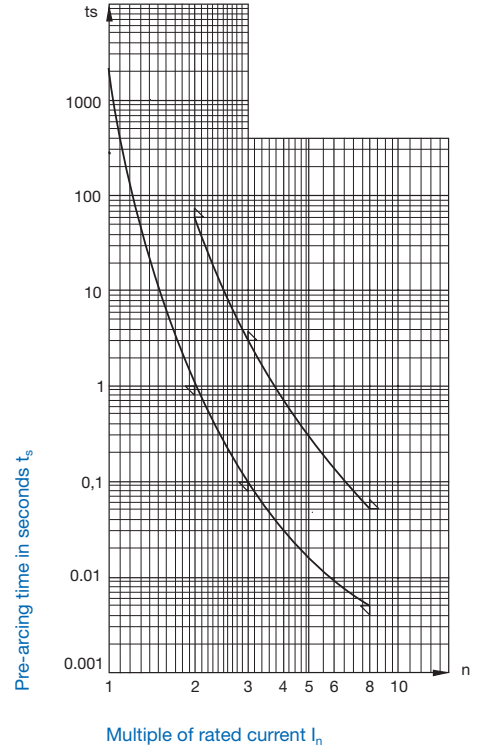
available in lead-free **NEW** version directly solderable on printed circuit boards



1:1



Solder pads



Standards

UL 248-14
CSA C22.2 No. 248.14

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

Rated current I_n	$n \cdot I_n$		$2 \cdot I_n$		$3 \cdot I_n$		$8 \cdot I_n$	
	$1,0 \cdot I_n^*$							
	min.	min.	max.	min.	max.	min.	max.	
0,75 – 5 A	4 h	1 s	60 s	100 ms	3 s	5 ms	50 ms	

* Non fusing current I_{nf}

Approvals, Patents



Patents in U.S. (No. 4,851,806) and in further countries

Order No.	Rated current I_n Rated voltage U_n	Breaking capacity	Voltage drop		Sustained power dissipation		Pre-arcing I^2t		Approvals	
			at I_n	typ. mV	at $4 \cdot I_n$	typ. mW	at $8 \cdot I_n$	typ. A^2s	UL	CSA
3403.0129.XX	750 mA / 250 V	100 A / 250 V AC p.f. / $\cos \varphi$ 1		107		80		$3 \cdot 10^{-1}$	•	•
3403.0116.XX	1 A / 250 V			92		92		$7 \cdot 10^{-1}$	•	•
3403.0117.XX	1,25 A / 250 V			89		111		1,0	•	•
3403.0130.XX	1,5 A / 250 V	50 A/250 V AC		74		111		2,0	•	•
3403.0119.XX	2 A / 250 V			69		138		4,0	•	•
3403.0120.XX	2,5 A / 125 V			68		170		7,0	•	•
3403.0131.XX	3 A / 125 V	100 A / 125 V AC p.f. / $\cos \varphi$ 1		62		186		12,0	•	•
3403.0132.XX	3,5 A / 125 V			60		210		19,0	•	•
3403.0122.XX	4 A / 125 V			60		240		23,0	•	•
3403.0123.XX	5 A / 125 V			57		285		37,0	•	•

.XX Packaging index

Additional technical data and packaging see page 60

FUSES

OMF 63, OMF 125, OMT 125, OMF 250, OMT 250

Non resettable fuses

Technical data and packaging

Types **OMF 63**
OMF 125
OMT 125
OMF 250
OMT 250

Additional technical data

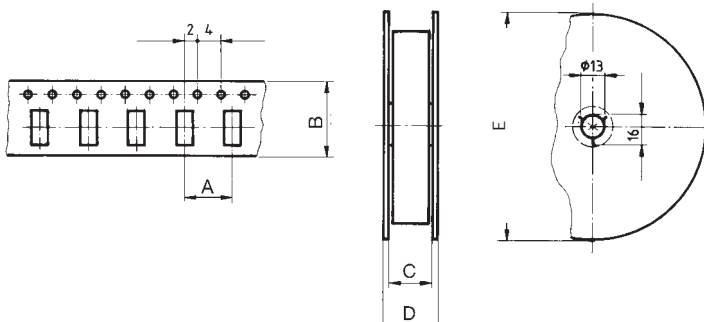
Ambient temperature max. T_a	- 40 °C to + 85 °C					
Permissible continuous operating current at 23 °C	<table style="display: inline-table; border: none;"> <tr> <td style="border: none;">OMF 63 OMF 125 OMT 125</td> <td style="border: none;">} $0,7 \times I_n$</td> <td rowspan="2" style="border: none;">} Shift of the rated current at ambient air temperatures > 23 °C see diagramm on page 204</td> </tr> <tr> <td style="border: none;">OMF 250 OMT 250</td> <td style="border: none;">} $0,8 \times I_n$</td> </tr> </table>	OMF 63 OMF 125 OMT 125	} $0,7 \times I_n$	} Shift of the rated current at ambient air temperatures > 23 °C see diagramm on page 204	OMF 250 OMT 250	} $0,8 \times I_n$
OMF 63 OMF 125 OMT 125	} $0,7 \times I_n$	} Shift of the rated current at ambient air temperatures > 23 °C see diagramm on page 204				
OMF 250 OMT 250	} $0,8 \times I_n$					
Resistance to vibration	Frequency 10 ÷ 2000 Hz, cross-over frequency 60 Hz < 60 Hz constant Amplitude of 0,75 mm > 60 Hz constant acceleration of 100 m/s ² (10 g); OMF 250, OMT 250: 196 m/s ² (20 g) according to IEC 60068-2-6, Test Fc					
Resistance to shock	981 m/s ² (100 g), 6 ms, IEC 60068-2-27 test Ea					
Climatic category	GPF according to DIN 40040					
Solderability (Reflow- and Wave soldering)	235 °C / 2 sec. IEC 60068-2-58 / test Td					
Soldering heat resistance	260 °C / 10 sec. IEC 60068-2-58 / test Td					
Fuse-link temperature rise ≤ 75 K (UL/CSA)	trackwidth for: $I_n \leq 5 A: \leq 5 \text{ mm}$ $I_n 6,3/7A \geq 5 \text{ mm}$ $I_n 8/10A \geq 10 \text{ mm}$					
Storage temperature max.	40 °C / 70% r. H					
Materials Housing Terminals	Temperature resistant plastic, flammability class UL 94V-0 Brass, tin plated					
Net weight pieces %	OMF 63 and OMT 125: 10 g OMF 250 / OMT 250: 35 g					

Packaging

Bag or tape	Type OMF 63	Types OMF 125 / OMT 125	Types OMF 250 / OMT 250
Bag of 100 pieces	3402.XXXX.11	3404.XXXX.11	3403.XXXX.11
Taped and reeled 750 pieces	3402.XXXX.22	3404.XXXX.22	
Taped and reeled 2000 pieces			3403.XXXX.24
Taped and reeled 3000 pieces	3402.XXXX.24	3404.XXXX.24	

Blistertape and reel

according to IEC 286-3



Types	Dimensions in mm					
	A	B	C (max.)	D (max.)	E (750)	(2000) (3000)
OMF 63	8	16	18,4	22,4	180	330
OMF 125	8	16	18,4	22,4	180	330
OMT 125	8	16	18,4	22,4	180	330
OMF 250	8	24	26,4	30,4		330
OMT 250	8	24	26,4	30,4		330