

OMK 125V Quick-acting Surface Mount Fuse and Fuseholder - High Breaking Capacity

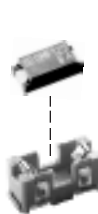
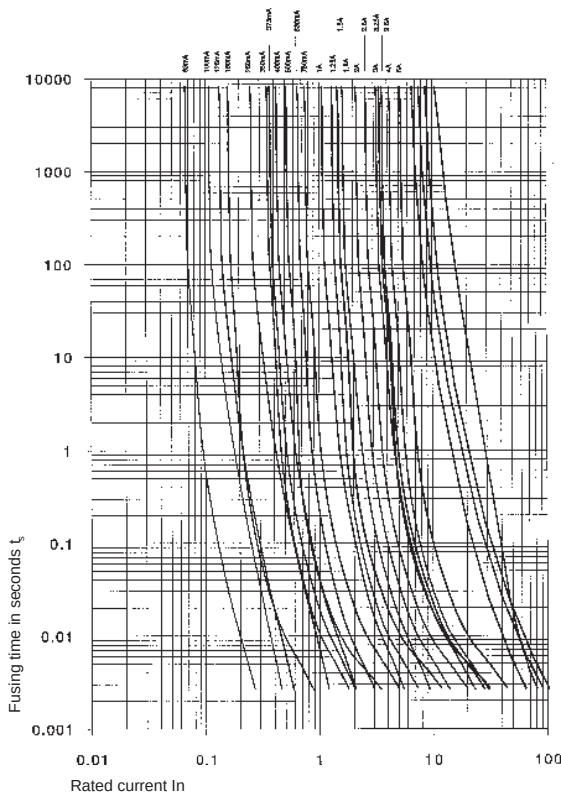


Built according to CSA 59.2-M. U.S. Patented. UL, CSA approval tests according to manufacturer specifications.

Approvals:

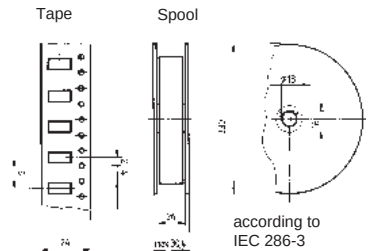
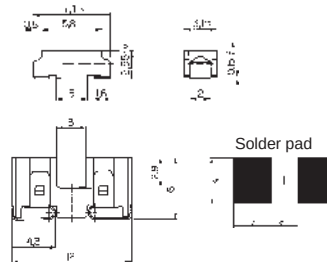
UL recognition	63mA-5A**	Fuse File #E41599	Fuseholder File #E39328
CSA certification	63mA-5A**	Fuse File #LR51172	Fuseholder File #LR38456

** 6.3A-10A fuse available separately; see previous page.



NEW

Surge tolerant version for telecom; see page 162



Time Current Characteristics

	$n \cdot I_n$	I_n	$2 \cdot I_n$	$4 \cdot I_n$
rated current I_n				
63mA – 5A		$\geq 4 \text{ h}$	$< 1 \text{ s}$	$< 10 \text{ ms}$

Technical Data

Rated voltage U_n	125 V AC/DC
Rated current	see chart
Time current characteristic	quick-acting, see chart for values (low I^2t)
Marking	OMF 125V, rated current, rated voltage,  , UL, CSA
Max. storage temperature	40°C / 70% relative humidity
Ambient temperature max. T_{amb}	-40°C to +85°C
Vibration resistance	Frequency 10-2000 Hz, cross-over frequency 60 Hz, resp. acceleration 100 m/s ² (10g) according to IEC 68-2-6, Test Fc
Shock resistance	981 m/s ² , 6 ms, according to IEC 68-2-27, Test Ea
Climatic category	HPF according to DIN 40040
Solderability (reflow and wave soldering)	235°C / 2 sec. according to IEC 68-2-58 / Td
Soldering heat resistance	260°C / 10 sec. according to IEC 68-2-58 / Td
Material: Housing	temperature resistant plastic (UL 94V-0)
Terminals	brass, tin-plated
Net weight (per hundred)	58 g

Order Numbers	Rated current / voltage	Breaking capacity	Voltage drop at I_n	Power dissipation at I_n	Fusing I^2t at $4 \cdot I_n$		Packaging
Series OMK 125V	mA / A / V ~	A ~ ac / dc	typical mV	typical Watts	typical A ² s	max. A ² s	Order No. Suffix
3404.2303.XX	63 mA / 125V	300 A ac / 400A dc 125V pf 1	2550	0.2	0.00011	0.00064	OMK 125V packaged loose: .XX = .11 1,500 pieces taped & reeled: .XX = .23
3404.2304.XX	100 mA / 125V		1770	0.2	0.00067	0.0016	
3404.2349.XX	125 mA / 125V		1770		0.0011	0.0025	
3404.2305.XX	160 mA / 125V		1700	0.2	0.0018	0.0041	
3404.2306.XX	250 mA / 125V		430	0.2	0.0045	0.01	
3404.2343.XX	350 mA / 125V		430	0.27	0.0084	0.02	
3404.2344.XX	375 mA / 125V		410	0.3	0.011	0.023	
3404.2307.XX	400 mA / 125V		360	0.1	0.0096	0.026	
3404.2345.XX	500 mA / 125V		350	0.3	0.016	0.04	
3404.2308.XX	630 mA / 125V		350	0.2	0.023	0.064	
3404.2346.XX	750 mA / 125V		300	0.3	0.052	0.09	
3404.2309.XX	1 A / 125V		220	0.2	0.086	0.16	
3404.2310.XX	1.25 A / 125V		220	0.3	0.14	0.25	
3404.2347.XX	1.5 A / 125V		200	0.45	0.24	0.36	
3404.2311.XX	1.6 A / 125V		200	0.3	0.27	0.41	
3404.2312.XX	2 A / 125V		200	0.4	0.44	0.64	
3404.2313.XX	2.5 A / 125V		190	0.4	0.79	1.0	
3404.2314.XX	3 A / 125V		190	0.4	1.1	1.4	
3404.2348.XX	3.15 A / 125V		190		1.1	1.6	
3404.2315.XX	3.5 A / 125V		140		1.6	2.0	
3404.2316.XX *	4 A / 125V		140 *		2.1	2.6	
3404.2317.XX *	5 A / 125V		140 *		2.9	4.0	

*3.5A max. recommended RMS current. 5A RMS possible at 12V (trace width of test board outlined in IEC 127-4/9 is 10mm). Acceptability determined in end use application