KLKD SERIES 10x38 FUSES

Electrical Specifications

AMP RATING	CATALOG NUMBER	NOM COLD RESISTANCE (ohms)	AVERAGE MELT TIME	AVERAGE MELTING I^2t	WATTS LOSS AT 100% RATED CURRENT (W)	WATTS LOSS AT 80% RATED CURRENT (W)	AVERAGE CLEARING TIME	TOTAL CLEARING I^2t (A^2s) 20 kA	TOTAL CLEARING I^2t (A^2s) 100 kA
1/10	KLKD 1/10	85.5	–	–	0.780	0.505	0.000047	0.019	–
1/8	KLKD 1/8	65	–	–	0.975	0.659	0.000050	0.010	–
2/10	KLKD 2/10	30.9	–	–	1.213	0.773	0.000073	0.032	–
1/4	KLKD 1/4	22	–	–	1.364	0.870	–	–	–
3/10	KLKD 3/10	16.2	–	–	1.519	0.960	0.000101	0.067	–
1/2	KLKD ½	8.16	–	–	1.961	1.237	0.000141	0.197	–
3/4	KLKD 3/4	0.402	0.000063	0.234	0.361	0.199	0.000170	0.753	–
1	KLKD 1	0.252	0.000094	0.678	0.388	0.273	0.000247	1.827	0.008
1 1/2	KLKD 1 1/2	0.134	0.000153	2.890	0.409	0.229	0.000828	13.956	280
2	KLKD 2	0.129	0.000145	2.379	0.823	0.606	0.000291	3.919	0.012
2 1/2	KLKD 2 1/2	0.0989	0.000186	5.142	0.912	0.618	0.000387	8.877	–
3	KLKD 3	0.0773	0.000211	7.821	0.957	0.654	0.000449	14.835	–
3 1/2	KLKD 3 1/2	0.0613	0.000249	12.417	1.12	0.826	0.000471	21.048	–
4	KLKD 4	0.0511	0.000284	18.945	1.367	0.891	0.000507	30.76	0.019
5	KLKD 5	0.0363	0.000347	34.163	1.4	0.938	0.000607	56.514	0.024
6	KLKD 6	0.0261	0.000423	62.951	1.516	0.998	0.000735	96.824	0.035
7	KLKD 7	0.0205	0.000505	105.143	1.577	1.066	0.000898	168.578	0.087
8	KLKD 8	0.0194	0.000541	130.266	1.824	1.205	0.000945	210.595	0.656
9	KLKD 9	0.0166	0.000587	164.221	2.208	1.428	0.000992	266.633	–
10	KLKD 10	0.0128	0.000701	278.390	1.893	1.3	0.001200	454.628	211.667
12	KLKD 12	0.0103	0.000822	445.010	2.296	1.584	0.001455	744.775	440
15	KLKD 15	.007855	0.000544	137.333	2.045	1.57	0.001721	351.24	–
20	KLKD 20	0.0045	0.000826	462.056	2.133	1.593	0.006144	1151.185	2120
25	KLKD 25	0.003532	0.001007	834.529	2.55	1.933	0.002085	1744.033	2085
30	KLKD 30	0.002776	0.001207	1409	3.701	1.983	0.002266	2757	3220

Note: Test Circuit 600 Vac / 20 kA

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Current-Limiting Effects

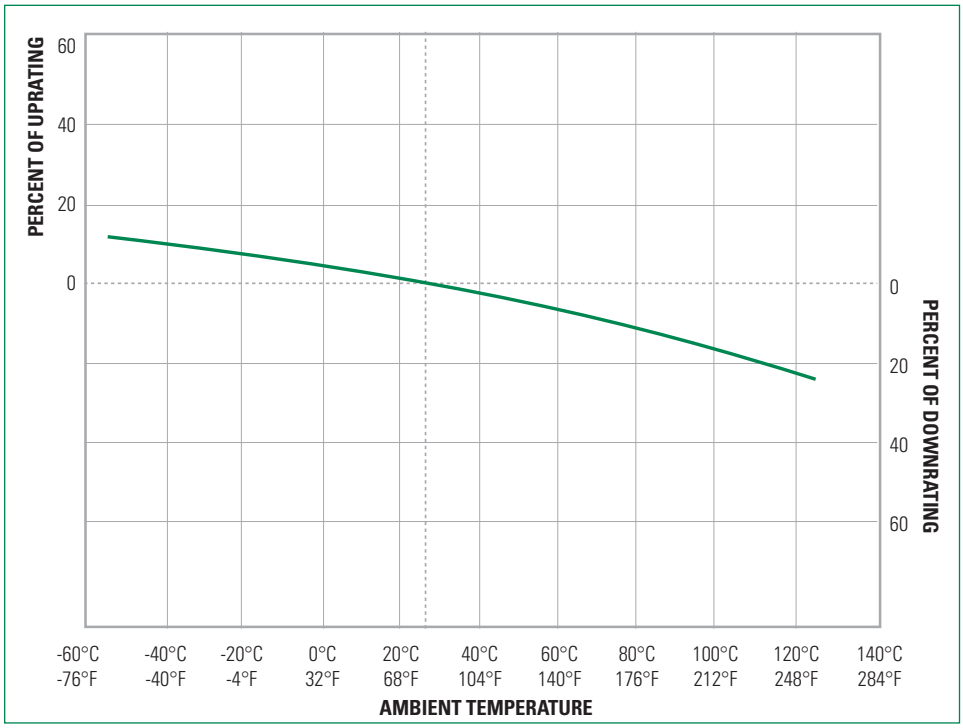
SHORT CIRCUIT CURRENT*	APPARENT RMS SYMMETRICAL CURRENT FOR VARIOUS FUSE RATINGS			
	1 ½ A	12 A	25 A	30 A
5,000	240	292	654	722
10,000	303	367	823	910
15,000	347	420	943	1042
20,000	381	463	1037	1147
25,000	411	498	1117	1235
30,000	437	530	1188	1313
35,000	460	558	1250	1382
40,000	481	583	1307	1445
50,000	518	628	1408	1556
60,000	550	667	1496	1654
80,000	605	735	1647	1820
100,000	652	791	1774	1961

*Prospective RMS Symmetrical Amperes Short-Circuit Current

Electrical Specification – Agency Requirements

AMPERAGE RATING	OPENING TIME (MINUTES)				
	100% of Amp Rating per UL	113% of Amp Rating per IEC	135% of Amp Rating per UL	145% of Amp Rating per IEC	200% of Amp Rating per UL
1/10-30	Temperature Stabilization	60 Min	60 Max	60 Max	4 Max

Temperature Derating Curve (Temperature of Air Immediately Surrounding Fuse)



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