

CLASS CC KLDR SERIES FUSES

600 Vac • 300 Vdc • Time-Delay • 1/10-30 A



Description

KLDR fuses are time-delay fuses designed to protect control transformers, solenoids and similar inductive components with high magnetizing currents during the first half-cycle. They provide excellent protection of motor branch circuits containing IEC or NEMA rated motor controllers or contactors.

Features/Benefits

- Meets UL and CSA standards
- Class CC fuses are the smallest 600 V, 200,000 A.I.R. fuses approved for branch circuit protection
- Rejection feature prevents use of fuses with lower interrupting ratings or voltage ratings when used with corresponding fuse holders
- Extremely current limiting reduces damage caused by heating and magnetic effects of short-circuit currents

Applications

- Transformer Protection

Specifications

Voltage Rating	AC: 600 V DC: 300 V
Amperage Rating	1/10 – 30 A
Interrupting Rating	AC: 200 kA rms symmetrical DC: 20 kA
Material	Body: Melamine Caps: Nickel-plated Bronze
Fuse Weight	.019 lb (8.62g)
Approvals	AC: Standard 248-4, Class CC UL Listed 1/10-30 A (File: E81895) CSA Certified 1/10-30 A (File: LR29862)
Environmental	DC: Littelfuse self-certified
Country of Origin	RoHS Compliant Mexico

Ordering Information

AMPERAGE RATINGS				
1/10	6/10	1 8/10	4 1/2	10
1/8	3/4	2	5	12
15/100	8/10	2 1/4	5 5/10	15
3/16	1	2 1/2	6	17 1/2
2/10	1 1/8	2 8/10	6 1/4	20
1/4	1 1/4	3	7	25
3/10	1 4/10	3 2/10	7 1/2	30
4/10	1 1/2	3 1/2	8	—
1/2	1 5/10	4	9	—

AMPERAGE	PART NUMBER	ORDERING NUMBER
10	KLDR 10	KLDR010.TXP

Web Resources

For additional informations, visit:

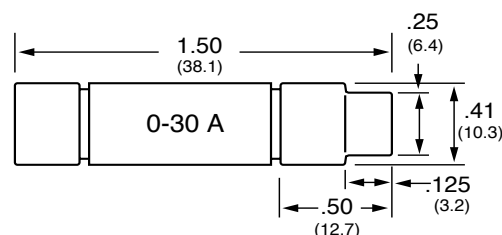
littelfuse.com/klldr

Recommended Fuse Holders

L60030C Series

LPSC Touch-Safe Series

Dimensions Inches (mm)



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Electrical Specifications

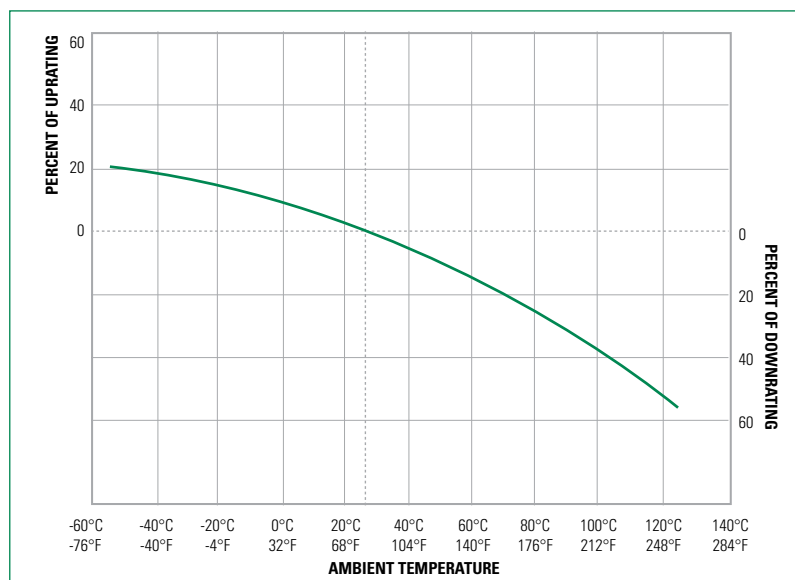
ORDERING NUMBER	AMPERAGE RATING	VOLTAGE RATING		INTERRUPTING RATING		UPC	WATTS LOSS AT 100% RATED CURRENT (W)	WATTS LOSS AT 80% RATED CURRENT (W)	TOTAL CLEARING I²T (A² SEC) 200 kA	AGENCY APPROVALS		
		AC	DC	AC	DC					UL	CSA	RoHS
KLDR01.6TXP	1-6/10	600	300	200 kA	20 kA	07945879252	3.56	1.40	10	•	•	•
KLDR004.TXP	4	600	300	200 kA	20 kA	07945879261	1.88	1.10	40	•	•	•
KLDR07.5TXP	7-½	600	300	200 kA	20 kA	07945879268	1.68	0.94	1460	•	•	•
KLDR020.TXP	20	600	300	200 kA	20 kA	07945879275	2.30	1.39	1700	•	•	•
KLDR030.TXP	30	600	300	200 kA	20 kA	07945879277	2.75	1.62	1790	•	•	•

Current-Limiting Effects

SHORT CIRCUIT CURRENT*	APPARENT RMS SYMMETRICAL CURRENT FOR VARIOUS FUSE RATINGS								
	4 A	6 A	7.5 A	8 A	10 A	12 A	15 A	20 A	30 A
5,000	349	420	521	437	359	369	435	456	621
10,000	440	529	656	551	452	465	548	575	783
15,000	504	605	751	631	517	532	627	658	896
20,000	554	666	827	694	569	585	690	724	986
25,000	597	718	890	748	613	630	743	780	1063
30,000	634	763	946	795	651	670	790	829	1129
35,000	668	803	996	837	686	705	832	872	1189
40,000	698	840	1041	875	717	737	870	912	1243
50,000	752	904	1122	942	772	794	937	983	1339
60,000	799	961	1192	1001	821	844	995	1044	1423
80,000	880	1058	1312	1102	903	929	1096	1149	1566
100,000	948	1139	1413	1187	973	1001	1180	1238	1687
150,000	1085	1304	1618	1359	1114	1146	1351	1417	1931
200,000	1194	1436	1781	1496	1226	1261	1487	1560	2125

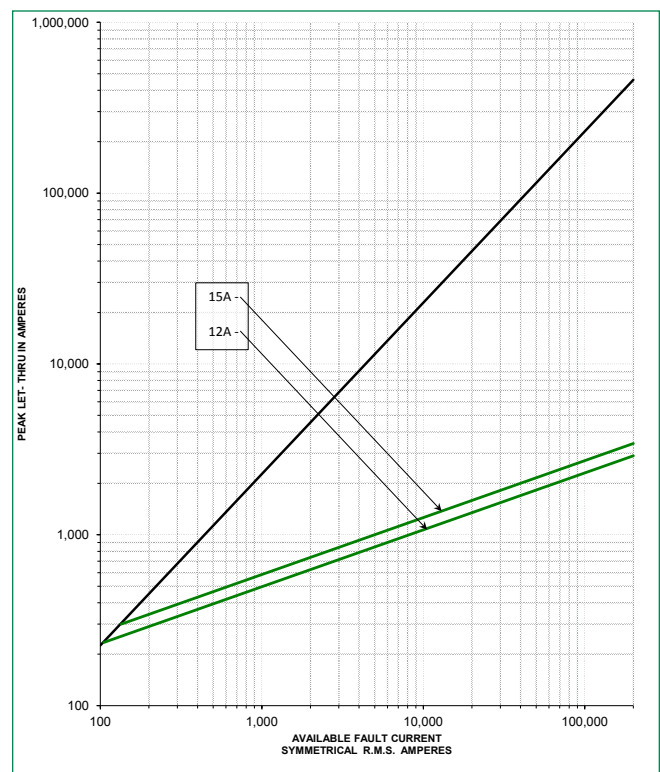
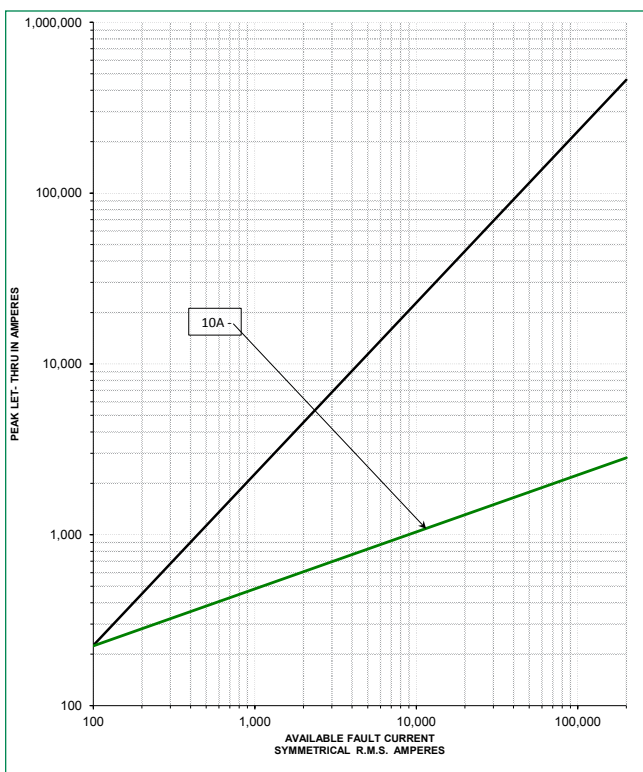
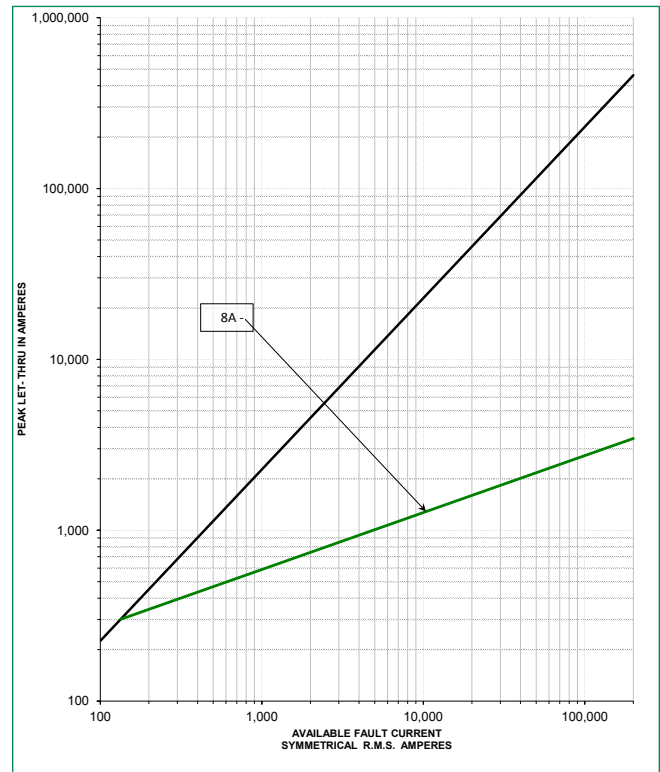
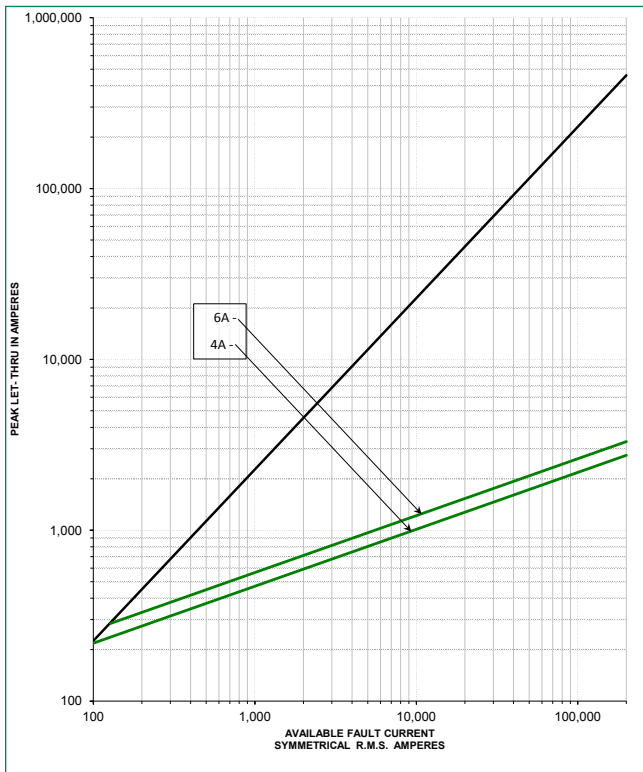
*Prospective RMS Symmetrical Amperes Short-Circuit Current
 Note: Data Derived from Peak Let-Thru Curves

Temperature Derating Curve (Temperature of Air Immediately Surrounding Fuse)



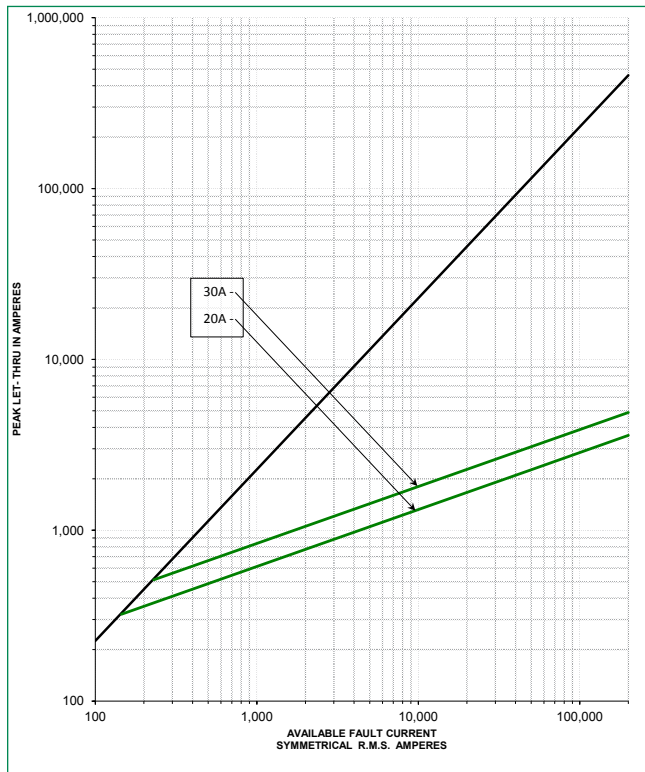
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Peak Let-Thru Curves

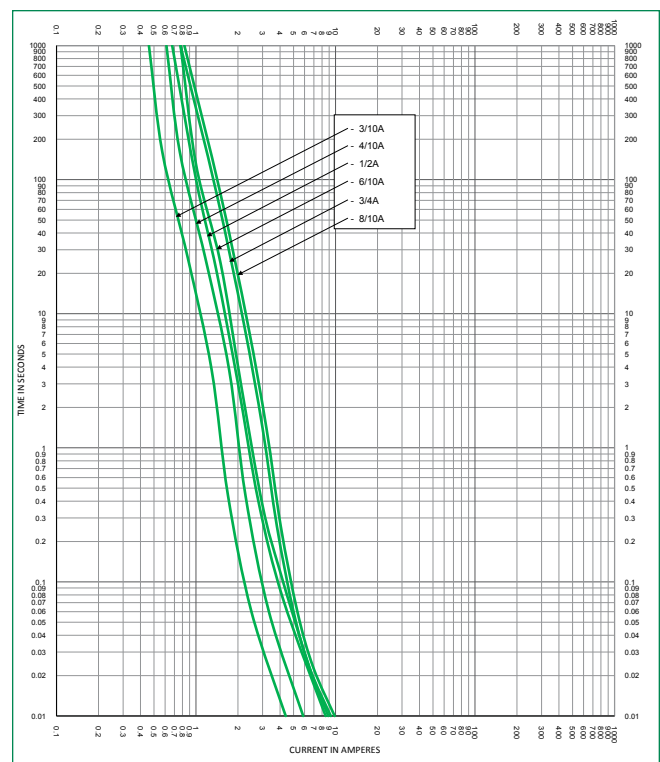
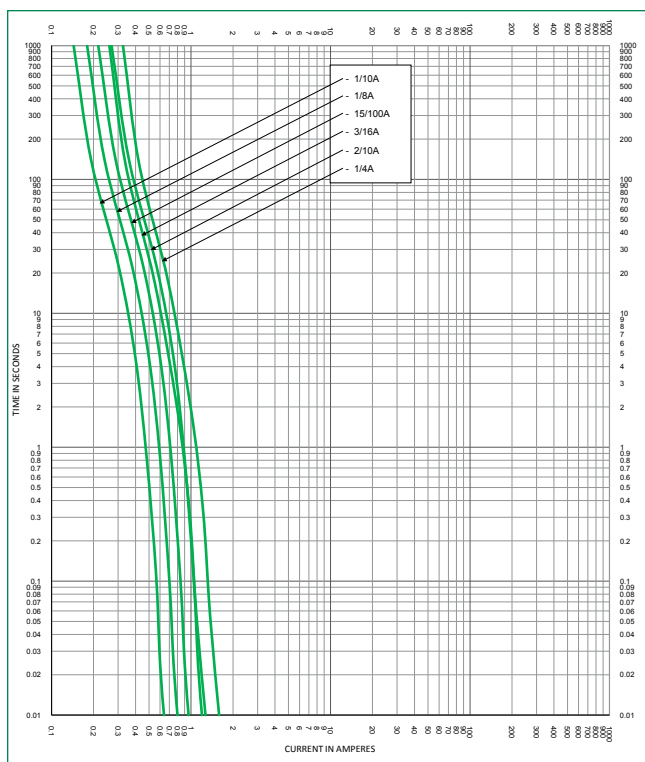


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Peak Let-Thru Curves

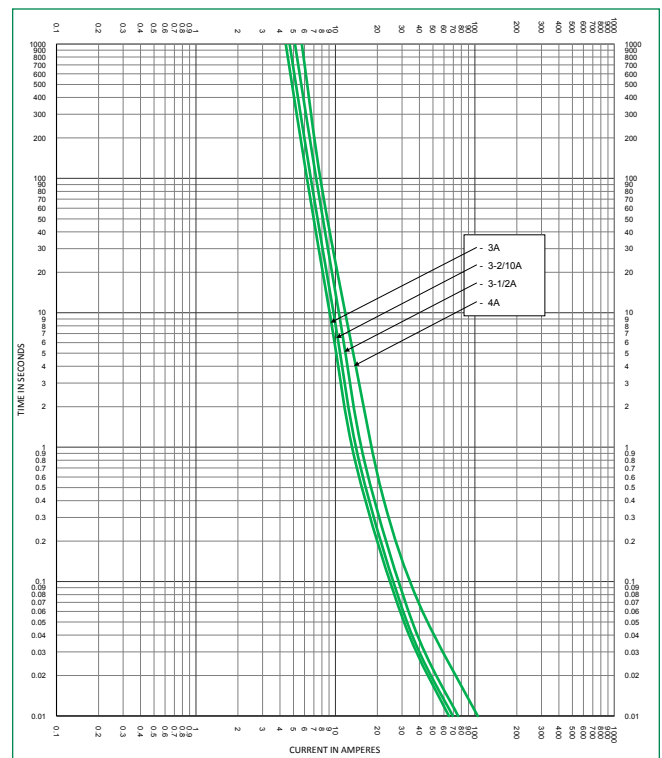
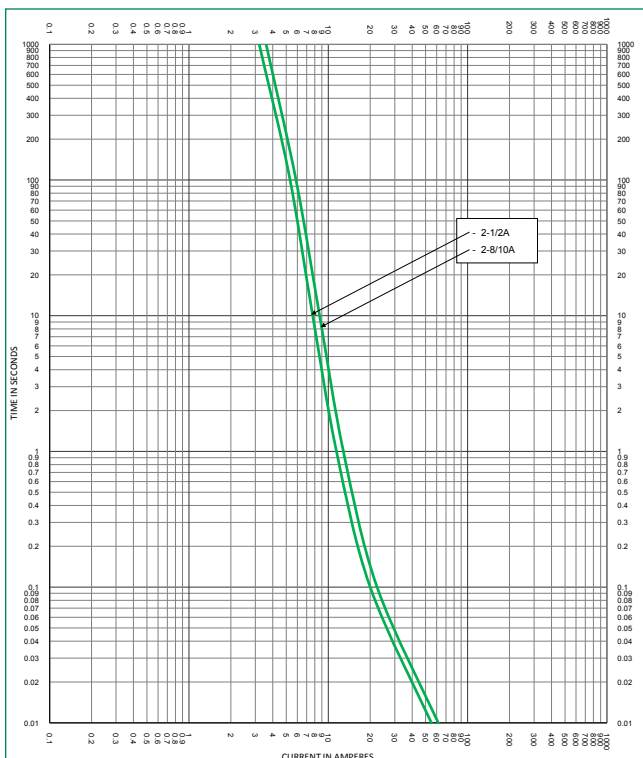
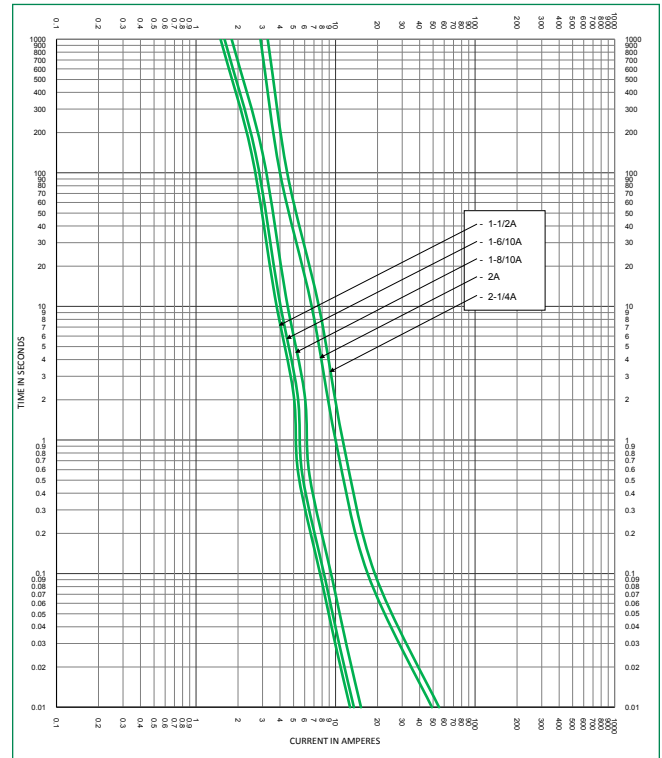
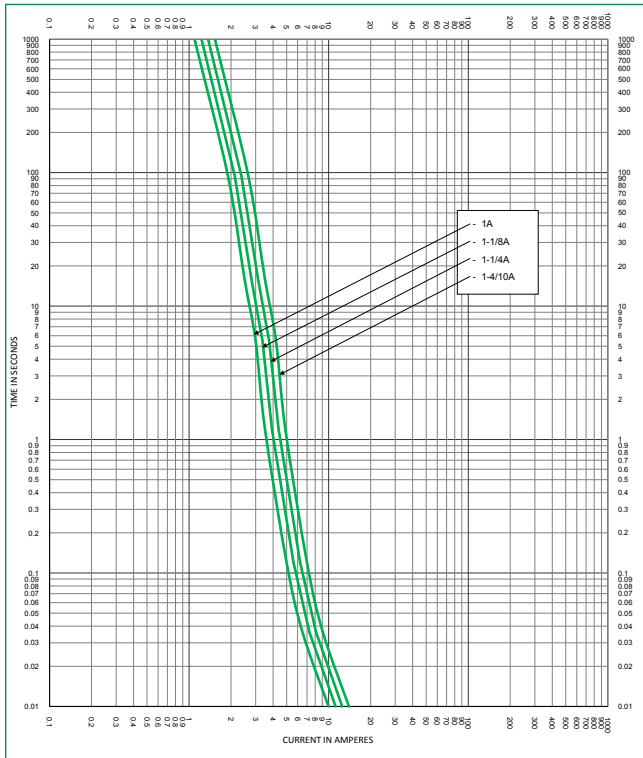


Time Current Curves



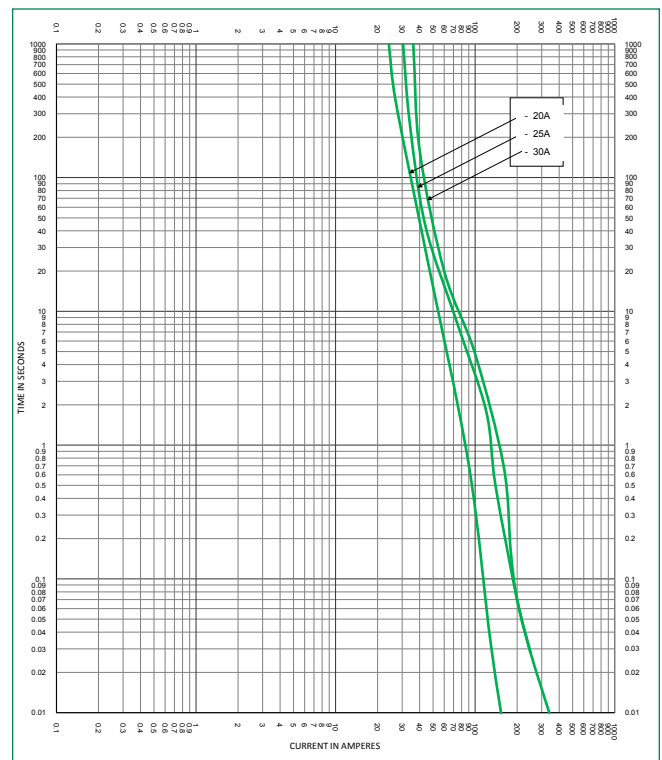
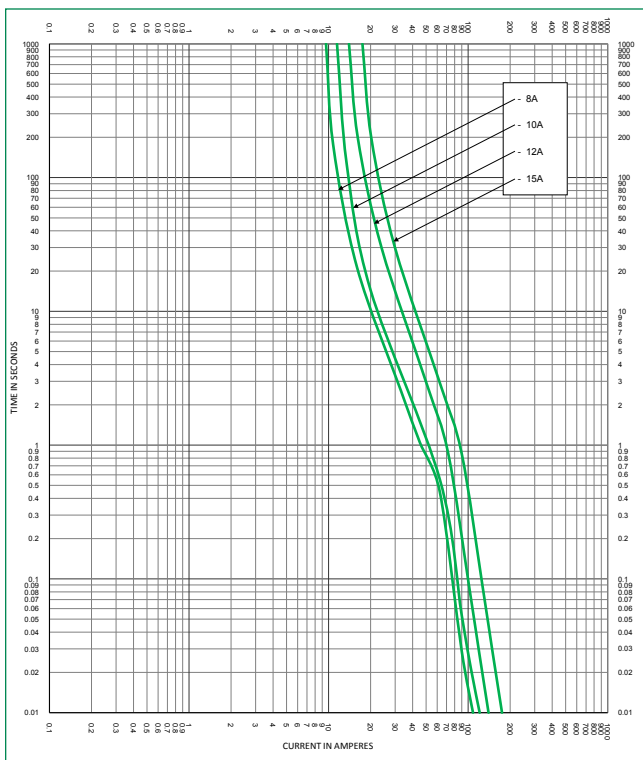
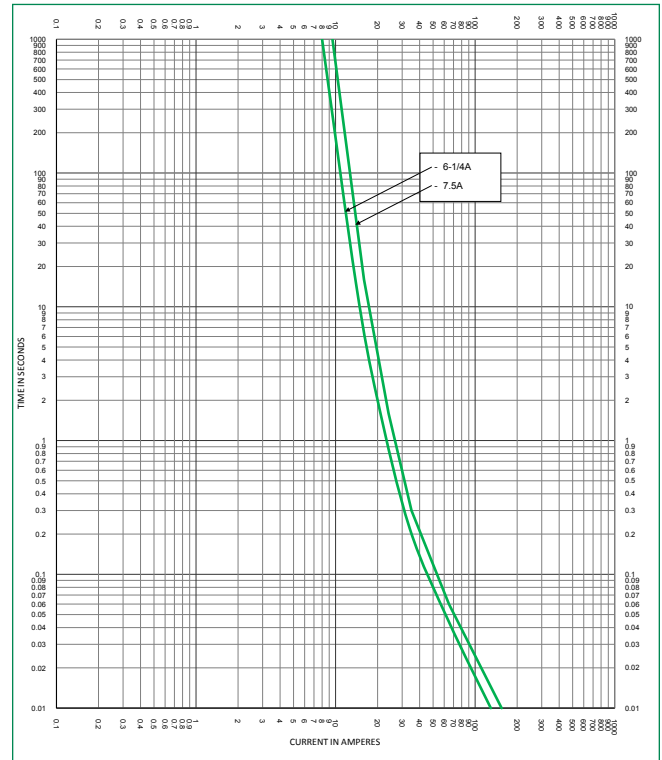
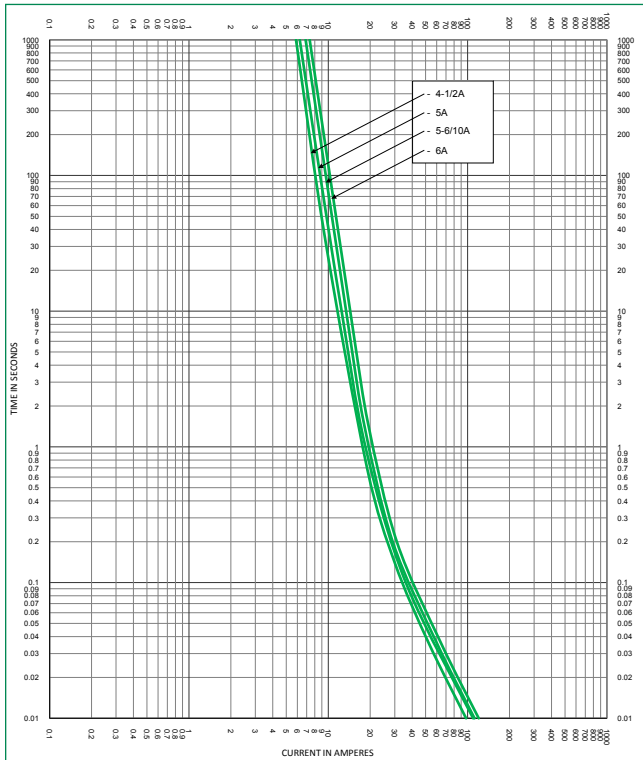
CLASS CC KLDR SERIES FUSES

Time Current Curves



CLASS CC KLDR SERIES FUSES

Time Current Curves



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Littelfuse:

KLD R006.TXP	KLD R01.5HXP	KLD R030.TXP	KLD R01.6HXP	KLD R07.5HXP	KLD R.125TXP	KLD R03.2TXP
KLD R.150TXP	KLD R1.12HXP	KLD R.400HXP	KLD R6.25TXP	KLD R.500HXP	KLD R2.25HXP	KLD R.250TXP
KLD R05.6TXP	KLD R.800HXP	KLD R6.25HXP	KLD R.300TXP	KLD R008.TXP	KLD R001.HXP	KLD R009.TXP
KLD R01.4TXP	KLD R012.HXP	KLD R015.HXP	KLD R04.5TXP	KLD R17.5HXP	KLD R.600HXP	KLD R.750HXP
KLD R007.TXP	KLD R01.8HXP	KLD R010.HXP	KLD R.187TXP	KLD R.200TXP	KLD R1.25HXP	KLD R009.HXP
KLD R01.4HXP	KLD R020.TXP	KLD R04.5HXP	KLD R.100TXP	KLD R.400TXP	KLD R05.6HXP	KLD R.250HXP
KLD R.500TXP	KLD R.300HXP	KLD R.800TXP	KLD R005.TXP	KLD R012.TXP	KLD R015.TXP	KLD R.150HXP
KLD R03.2HXP	KLD R.125HXP	KLD R2.25TXP	KLD R006.HXP	KLD R008.HXP	KLD R03.5HXP	KLD R02.5TXP
KLD R02.8TXP	KLD R.187HXP	KLD R030.HXP	KLD R.200HXP	KLD R025.TXP	KLD R007.HXP	KLD R07.5TXP
KLD R1.12TXP	KLD R01.5TXP	KLD R002.TXP	KLD R001.TXP	KLD R002.HXP	KLD R003.HXP	KLD R01.6TXP
KLD R02.5HXP	KLD R02.8HXP	KLD R03.5TXP	KLD R020.HXP	KLD R004.TXP	KLD R025.HXP	KLD R.100HXP
KLD R003.TXP	KLD R1.25TXP	KLD R17.5TXP	KLD R.600TXP	KLD R.750TXP	KLD R004.HXP	KLD R005.HXP
KLD R010.TXP	KLD R01.8TXP					