Midget 10x38mm Fuses

FLQ Series

500 V ac • Time-Delay • 1/10–30 A

Description

The FLQ series 500 V fuses are designed to provide supplemental overcurrent protection of control power transformers, solenoids, and circuits with high in-rush currents. They also provide excellent supplemental protection of small motors. These time-delay fuses can carry an overload several times the normal load for a short period of time without blowing. The FLQ fuses are non-indicating and may be used with an indicating fuse block to identify a blown fuse. Note that UL and CSA 500 V ratings permit use on 480 V circuits.

Features & Benefits

FEATURES	BENEFITS
10x38 mm size	Common dimensions used in a variety of applications
Time-delay	Allows for temporary current surge for a short period of time without blowing
POWR-GARD® technology	Ensures quality backup overcurrent protection

Applications

- Control circuit transformers
- Solenoids
- Circuits with high in-rush currents
- Small motors

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Specifications

Voltage Rating	Ac: 500 V ac or less Dc: 300 V
Interrupting Ratings	Ac: 10 kA rms symmetrical Dc: 10 kA self-certified
Ampere Range	1/10–30 A
Applicable Standards	Ac: UL Listed (File: E10480) CSA Certified (File: LR29862) Dc: Littelfuse self-certified
Environmental	RoHS Compliant
Material	Body: Paper: 1/10 A–5 A Melamine: 5 6/10 A–30 A Caps: Copper Alloy (Nickel plated)
Country of Origin	Mexico

Certification & Compliance

UL	UL Listed (File: E10480)
CSA	CSA Certified (File: LR29862)
CE	EU_DOC-FLQ_210701
RoHS	RoHS 2 Directive 2011/65/EU; Directive (EU) 2015/863

Accessories

Littelfuse LPSM dead-front series fuse holder
Littelfuse L60030M open-face series fuse holder

Ordering Information

Ferrule Version

AMP RATING	VOLTAGE (V AC)	INTERRUPTING RATING (KA)		CATALOG NUMBER	PRODUCT MARKING	ORDERING NUMBER	UPC	AGENCY APPROVALS	
		AC	DC					UL	CSA
1/10	500	10	10	FLQ.100	FLQ 1/10 A	0FLQ.100T	07945816011	•	•
1/8	500	10	10	FLQ.125	FLQ 1/8 A	0FLQ.125T	07945816012	•	•
15/100	500	10	10	FLQ.150	FLQ 15/100 A	0FLQ.150T	07945816013	•	•
3/16	500	10	10	FLQ.187	FLQ 3/16 A	0FLQ.187T	07945816017	•	•
2/10	500	10	10	FLQ.200	FLQ 2/10 A	0FLQ.200T	07945816018	•	•
1/4	500	10	10	FLQ.250	FLQ 1/4 A	0FLQ.250T	07945816019	•	•
3/10	500	10	10	FLQ.300	FLQ 3/10 A	0FLQ.300T	07945800089	•	•
4/10	500	10	10	FLQ.400	FLQ 4/10 A	0FLQ.400T	07945816023	•	•
1/2	500	10	10	FLQ.500	FLQ 1/2 A	0FLQ.500T	07945816024	•	•
6/10	500	10	10	FLQ.600	FLQ 6/10 A	0FLQ.600T	07945800090	•	•
8/10	500	10	10	FLQ.800	FLQ 8/10 A	0FLQ.800T	07945800091	•	•
1	500	10	10	FLQ001	FLQ 1A	0FLQ001.T	07945816031	•	•
1 1/8	500	10	10	FLQ1.12	FLQ 1-1/8 A	0FLQ1.12T	07945816032	•	•
1 1/4	500	10	10	FLQ1.25	FLQ 1-1/4 A	0FLQ1.25T	07945816034	•	•

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Ordering Information

Ferrule Version

AMP RATING	VOLTAGE (V AC)	INTERRUPTING RATING (KA)		CATALOG NUMBER	PRODUCT MARKING	ORDERING NUMBER	UPC	AGENCY APPROVALS	
		AC	DC					UL	CSA
1 ½	500	10	10	FLQ01.5	FLQ 1-½ A	0FLQ01.5T	07945816037	•	•
1 6/10	500	10	10	FLQ01.6	FLQ 1-6/10 A	0FLQ01.6T	07945816038	•	•
2	500	10	10	FLQ002	FLQ 2A	0FLQ002.T	07945816041	•	•
2 ¼	500	10	10	FLQ2.25	FLQ 2-¼ A	0FLQ2.25T	07945816042	•	•
2 ½	500	10	10	FLQ02.5	FLQ 2-½ A	0FLQ02.5T	07945816043	•	•
3	500	10	10	FLQ003	FLQ 3A	0FLQ003.T	07945816047	•	•
3 2/10	500	10	10	FLQ03.2	FLQ 3-2/10 A	0FLQ03.2T	07945816049	•	•
3 ½	500	10	10	FLQ03.5	FLQ 3-½ A	0FLQ03.5T	07945816051	•	•
4	500	10	10	FLQ004	FLQ 4A	0FLQ004.T	07945816053	•	•
4 ½	500	10	10	FLQ04.5	FLQ 4-½ A	0FLQ04.5T	07945816054	•	•
5	500	10	10	FLQ005	FLQ 5A	0FLQ005.T	07945816055	•	•
5 6/10	500	10	10	FLQ05.6	FLQ 5-6/10 A	0FLQ05.6T	07945816056	•	•
6	500	10	10	FLQ006	FLQ 6A	0FLQ006.T	07945816058	•	•
6 ¼	500	10	10	FLQ6.25	FLQ 6-¼ A	0FLQ6.25T	07945816059	•	•
7	500	10	10	FLQ007	FLQ 7A	0FLQ007.T	07945816061	•	•
8	500	10	10	FLQ008	FLQ 8A	0FLQ008.T	07945816063	•	•
9	500	10	10	FLQ009	FLQ 9A	0FLQ009.T	07945816064	•	•
10	500	10	10	FLQ010	FLQ 10A	0FLQ010.T	07945816065	•	•
12	500	10	10	FLQ012	FLQ 12A	0FLQ012.T	07945816066	•	•
14	500	10	10	FLQ014	FLQ 14A	0FLQ014.T	07945816067	•	•
15	500	10	10	FLQ015	FLQ 15A	0FLQ015.T	07945816068	•	•
20	500	10	10	FLQ020	FLQ 20A	0FLQ020.T	07945816071	•	•
25	500	10	10	FLQ025	FLQ 25A	0FLQ025.T	07945816072	•	•
30	500	10	10	FLQ030	FLQ 30A	0FLQ030.T	07945816073	•	•

Ordering Information

PCB Mount 1-Tab Version

AMP RATING	VOLTAGE (V AC)	INTERRUPTING RATING (KA)		CATALOG NUMBER	PRODUCT MARKING	ORDERING NUMBER	UPC	AGENCY APPROVALS	
		AC	DC					UL	CSA
15/100	500	10	10	FLQ.150R	FLQ 15/100 A-R	0FLQ.150HXR	07945894950	•	•
3/16	500	10	10	FLQ.187R	FLQ 3/16 A-R	0FLQ.187HXR	07945894951	•	•
2/10	500	10	10	FLQ.200R	FLQ 2/10 A-R	0FLQ.200HXR	07945894952	•	•
¼	500	10	10	FLQ.250R	FLQ ¼ A-R	0FLQ.250HXR	07945894953	•	•
3/10	500	10	10	FLQ.300R	FLQ 3/10 A-R	0FLQ.300HXR	07945894954	•	•
4/10	500	10	10	FLQ.400R	FLQ 4/10 A-R	0FLQ.400HXR	07945894955	•	•
½	500	10	10	FLQ.500R	FLQ ½ A-R	0FLQ.500HXR	07945894956	•	•
6/10	500	10	10	FLQ.600R	FLQ 6/10 A-R	0FLQ.600HXR	07945894957	•	•
8/10	500	10	10	FLQ.800R	FLQ 8/10 A-R	0FLQ.800HXR	07945894958	•	•

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Ordering Information

PCB Mount 1-Tab Version

AMP RATING	VOLTAGE (V AC)	INTERRUPTING RATING (KA)		CATALOG NUMBER	PRODUCT MARKING	ORDERING NUMBER	UPC	AGENCY APPROVALS	
		AC	DC					UL	CSA
1	500	10	10	FLQ001R	FLQ 1A-R	0FLQ001.HXR	07945894959	•	•
1 ⅛	500	10	10	FLQ1.12R	FLQ 1 ⅛ A-R	0FLQ1.12HXR	07945894981	•	•
1 ¼	500	10	10	FLQ1.25R	FLQ 1 ¼ A-R	0FLQ1.25HXR	07945894982	•	•
1 ½	500	10	10	FLQ01.5R	FLQ 1 ½ A-R	0FLQ01.5HXR	07945894967	•	•
1 6/10	500	10	10	FLQ01.6R	FLQ 1 6/10 A-R	0FLQ01.6HXR	07945894968	•	•
2	500	10	10	FLQ002R	FLQ 2A-R	0FLQ002.HXR	07945894960	•	•
2 ¼	500	10	10	FLQ2.25R	FLQ 2-¼ A-R	0FLQ2.25HXR	07945894983	•	•
2 ½	500	10	10	FLQ02.5R	FLQ 2 ½ A-R	0FLQ02.5HXR	07945894973	•	•
3	500	10	10	FLQ003R	FLQ 3A-R	0FLQ003.HXR	07945894961	•	•
3 2/10	500	10	10	FLQ03.2R	FLQ 3 2/10 A-R	0FLQ03.2HXR	07945894976	•	•
3 ½	500	10	10	FLQ03.5R	FLQ 3 ½ A-R	0FLQ03.5HXR	07945894977	•	•
4	500	10	10	FLQ004R	FLQ 4A-R	0FLQ004.HXR	07945894962	•	•
4 ½	500	10	10	FLQ04.5R	FLQ 4 ½ A-R	0FLQ04.5HXR	07945894979	•	•
5	500	10	10	FLQ005R	FLQ 5A-R	0FLQ005.HXR	07945894963	•	•
5 6/10	500	10	10	FLQ05.6R	FLQ 5 6/10 A-R	0FLQ05.6HXR	07945894980	•	•
6 ¼	500	10	10	FLQ6.25R	FLQ 6 ¼ A-R	0FLQ6.25HXR	07945894984	•	•
7	500	10	10	FLQ007R	FLQ 7A-R	0FLQ007.HXR	07945894964	•	•
8	500	10	10	FLQ008R	FLQ 8A-R	0FLQ008.HXR	07945894965	•	•
9	500	10	10	FLQ009R	FLQ 9A-R	0FLQ009.HXR	07945894966	•	•
10	500	10	10	FLQ010R	FLQ 10A-R	0FLQ010.HXR	07945894969	•	•
12	500	10	10	FLQ012R	FLQ 12A-R	0FLQ012.HXR	07945807768	•	•
14	500	10	10	FLQ014R	FLQ 14A-R	0FLQ014.HXR	07945894971	•	•
15	500	10	10	FLQ015R	FLQ 15A-R	0FLQ015.HXR	07945894972	•	•
20	500	10	10	FLQ020R	FLQ 20A-R	0FLQ020.HXR	07945894974	•	•
25	500	10	10	FLQ025R	FLQ 25A-R	0FLQ025.HXR	07945894975	•	•
30	500	10	10	FLQ030R	FLQ 30A-R	0FLQ030.HXR	07945894978	•	•

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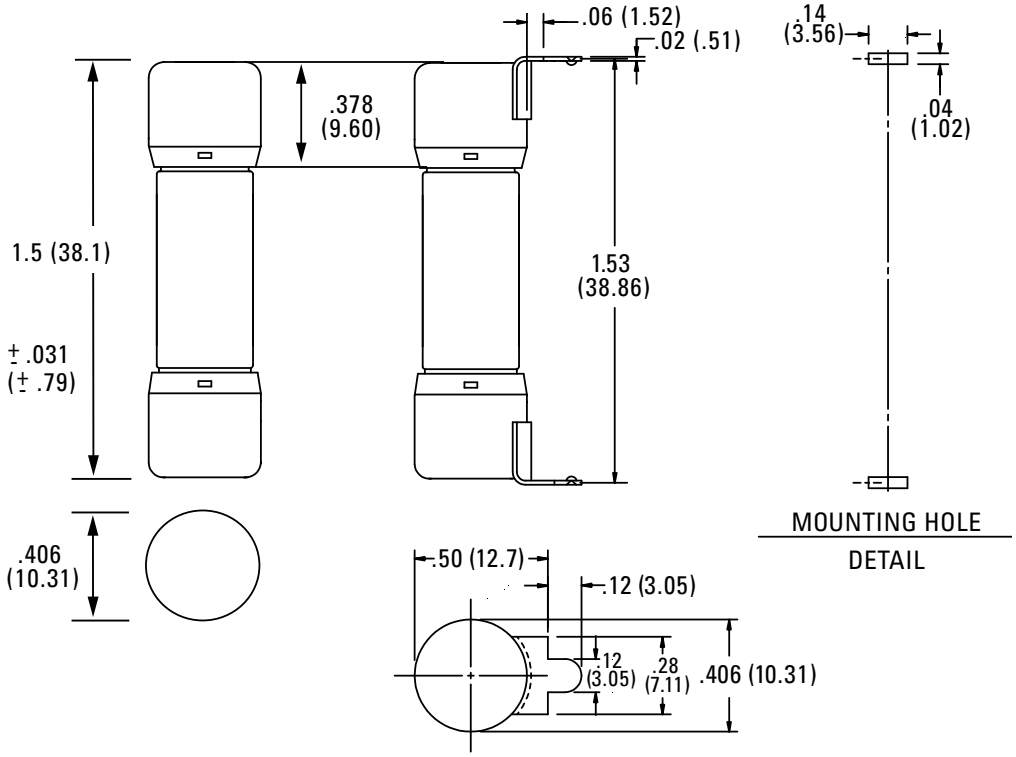
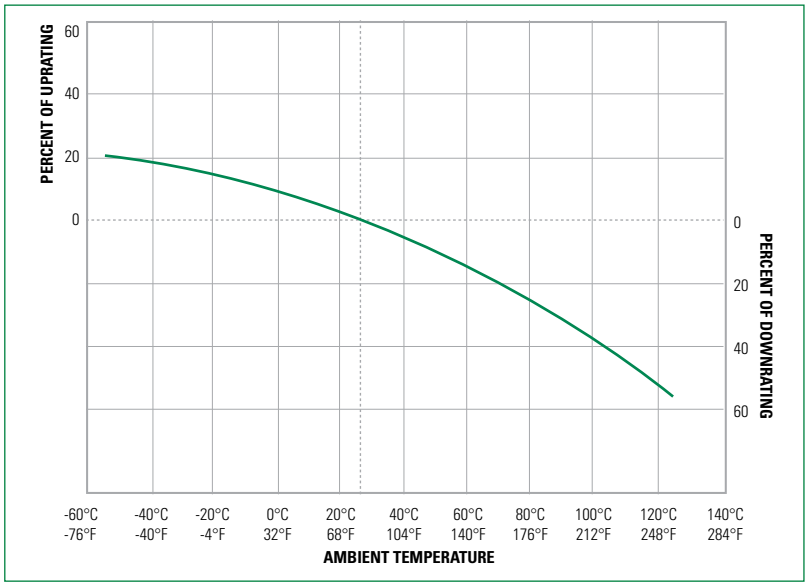
Dimensions Millimeters (inches)



Temperature Rerating Curve

Ambient temperature: temperature of air immediately surrounding fuse



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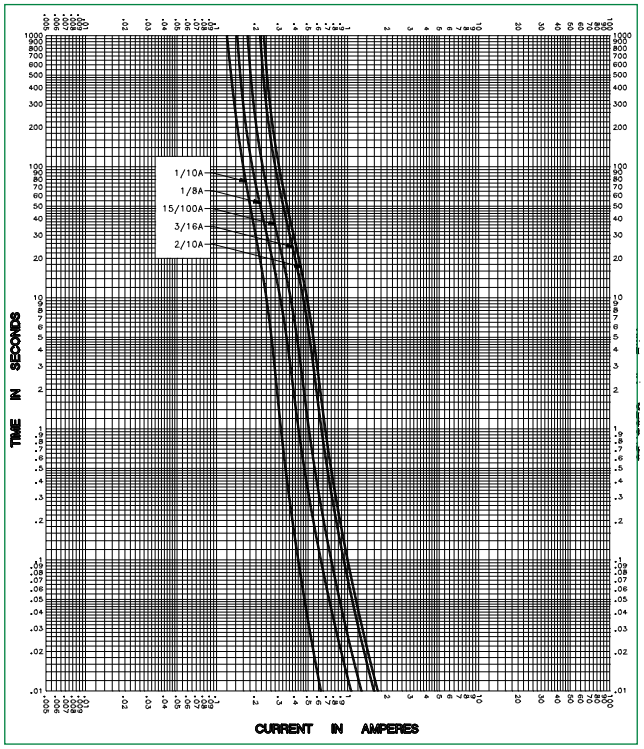
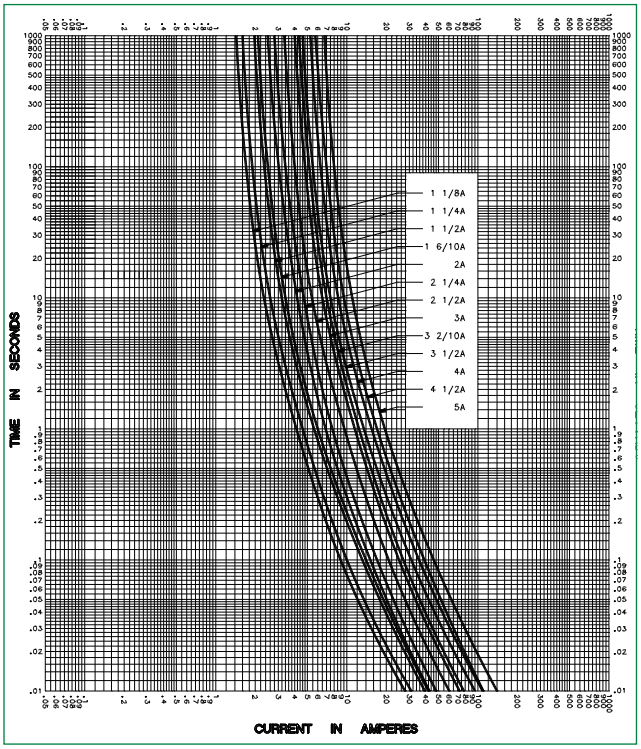
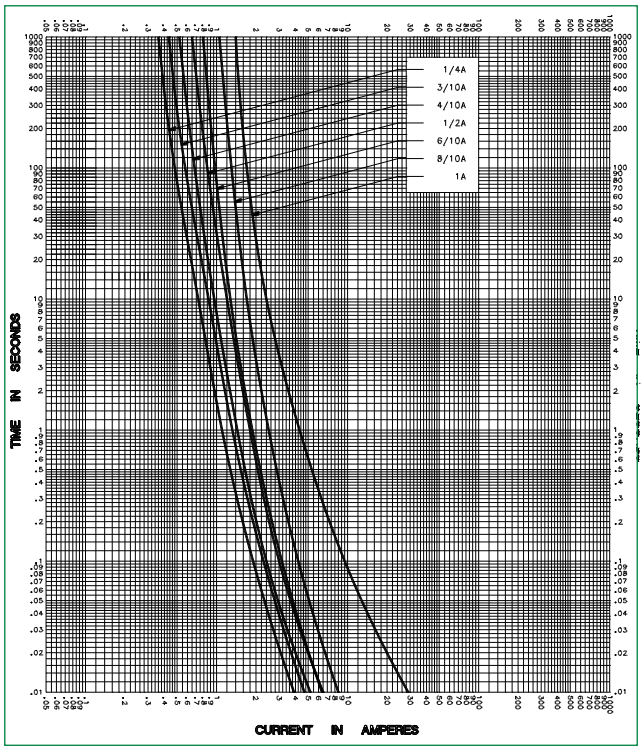
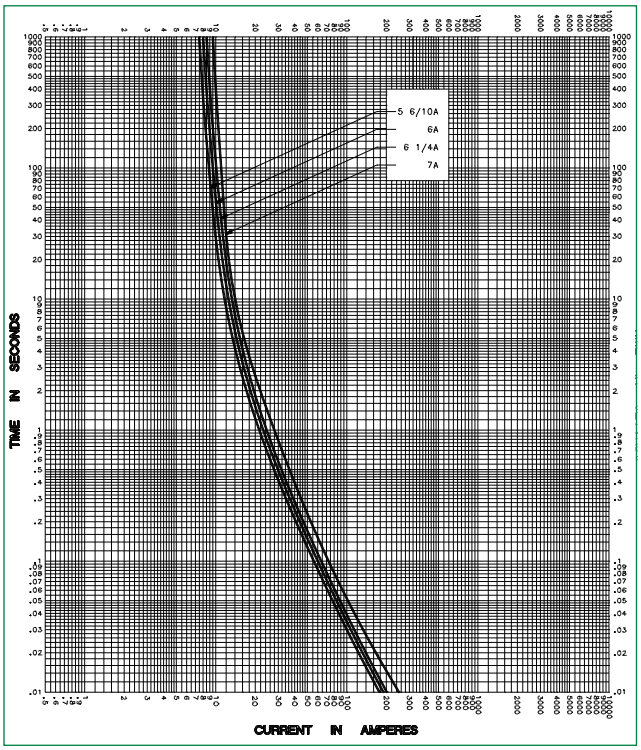
Time Current Curves









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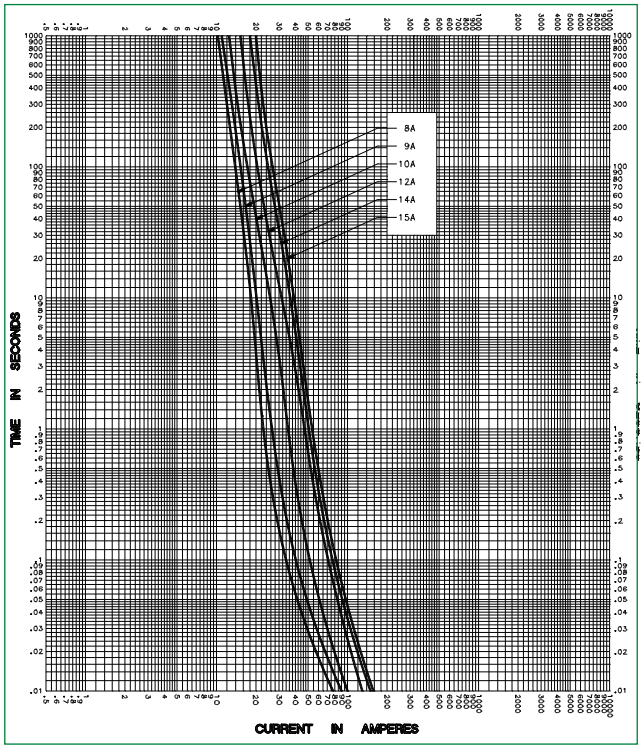
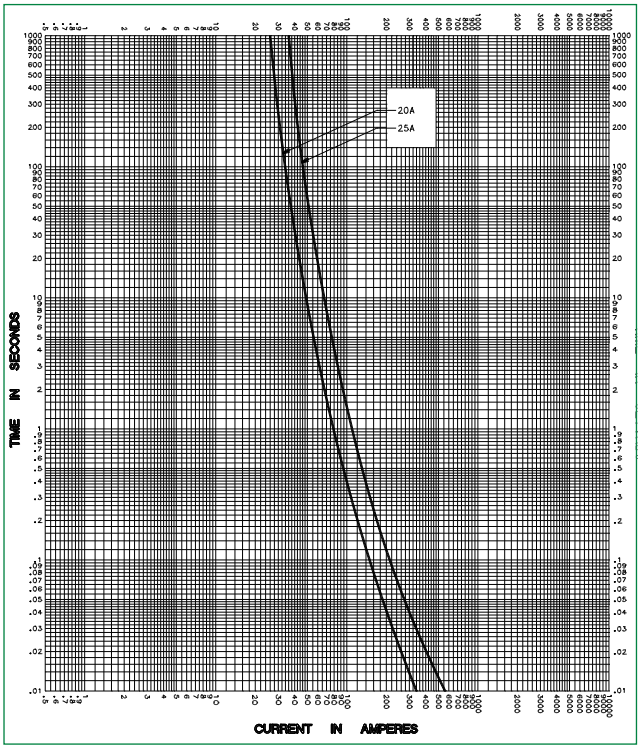
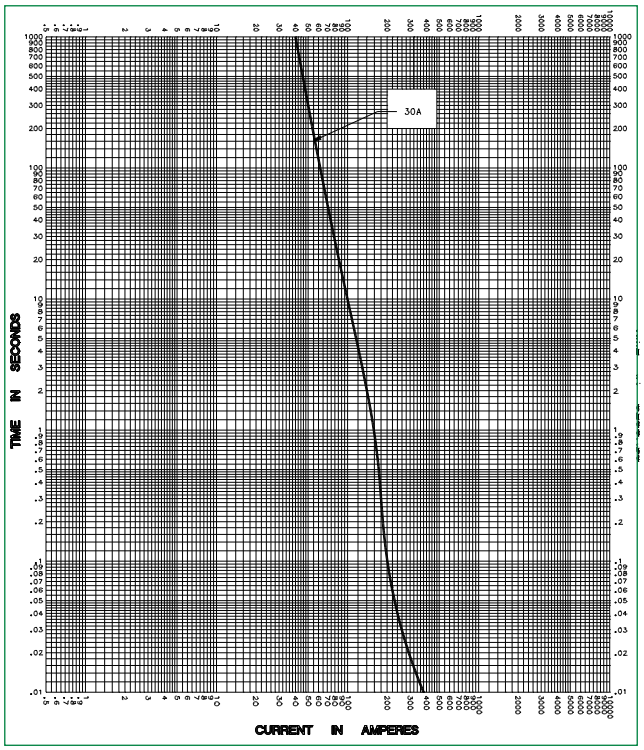
Time Current Curves







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