

600V a.c. or less, 250V d.c. 200,000 A.I.R. to CSA C22.2 No. 106 M92

Edison HRCII Fuses

- Engineered for long life reliable protection.
- Non deteriorating silver plated links.
- High grade ceramic bodies.
- Plated external metalwork.
- Interrupting rating certified to 200,000 Amps RMS symmetrical, to CSA C22.2 No. 106M1992.
- HRCII fuse manufacturing is certified to ISO 9002 (1987) standard.

Applications

HRCII fuses are often used to protect motor control circuits, together with contactors and overload protection relays.

In this application overload protection of the installation is provided by the thermal overload relay, and the fuses are usually rated higher than the motor full load current to avoid nuisance blowing under starting inrush currents.

This arrangement allows the use of a fast-acting *fuse characteristic which ensures excellent short-circuit current and energy limiting for optimum protection.

*CSA defined HRCII characteristics inherently give more time delay than HRCI fast acting fuses.

For full “no damage” protection under all fault conditions (Type 2 Coordination - per IEC 947-4), and to avoid nuisance fuse operation, the fuse, relay and contactor characteristics must be considered together to ensure that:

- the contactor is protected at all times
- the overload relay operates before the fuse (up to the relay’s safe interrupting limit), or
- the fuse safely clears the circuit and limits high level fault currents to prevent damage to the relay or to the contactor.

This is particularly necessary in the case of IEC style contactors, which require more accurate coordination to ensure optimum system reliability.

In addition CSA certified, Edison HRCII fuses are also tested and certified to IEC and British standards. IEC269:2 and BS88:2 include tightly specified characteristics to ensure full interchangeability with other manufacturers HRCII fuses certified to these standards.

For further information on fuse selection and coordination contact your local Edison Fusegear representative.

Cross Reference

AMPERE RATING	EDISON	DORMAN*	GEC/ENGLISH	FUSETEK	GOULD	BUSSMANN	SIEMENS
2-30	H07C	AAO	CIA	2CO	FES, GIA	CGL	3NW211
40-60	K07C	BAO	CIS	2CO	FES, GIS	CGL	2NW212
80-100	L14C	CEO	CCP	2CO	FES, GCP	CGL	3NW213
80-100*	L09C	CD	CC	2CM	FESC, GC	-	2NW222
125-200	M09C	DD	CF	2CC	FESC, GF	CGL	3NW223
125-200*	M14C	DEO	CFP	2CM	FES, GFP	-	3NW214
250-400	P11C	EF	CM	2CC	FESC, GM	CGL	3NW231
250-400*	P09C	ED	CMF	2CM	FESF, GMF	-	3NW224
450-600	R11C	FF	CLM	2CC	FESC, GLM	CGL	3NW233

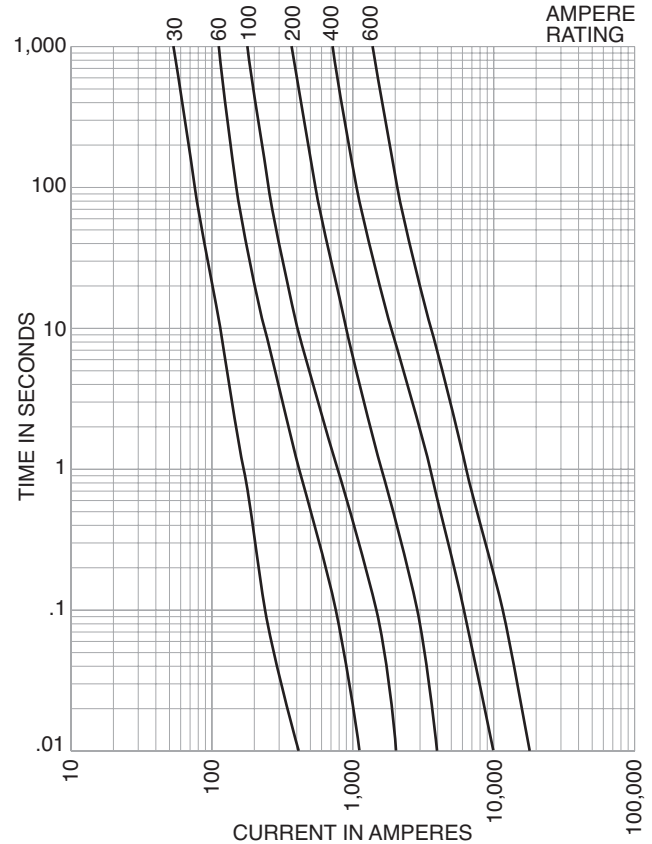
*HRCII fuses manufactured by Dorman Smith now available as Edison.

*HRCII-MISC.

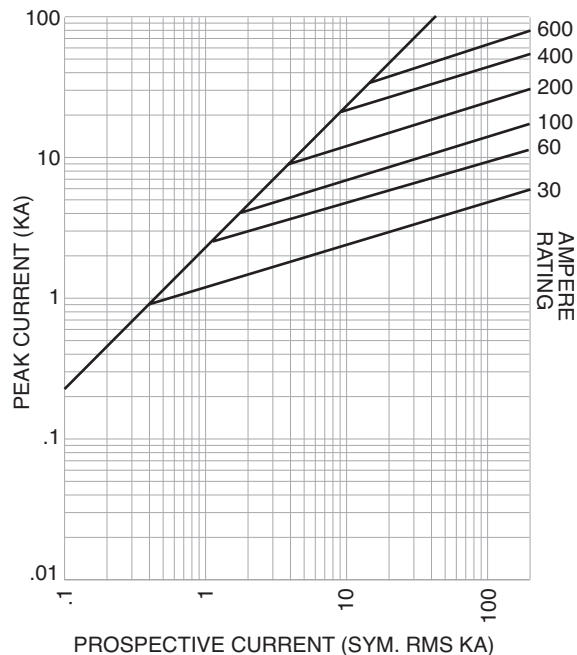
Motor Starting

Edison HRCII Fuse Amp Rating	Maximum Full Load Current of Motor		
	Full Voltage Starting		Reduced Voltage Starting
	Normal Duty	Heavy Duty	
H07C			
2	.58	.5	1.0
4	1.3	1.1	2.1
6	1.9	1.6	3.1
10	4.0	3.3	6.3
15	7.2	5.9	11.0
20	9.2	7.3	14.0
25	13.0	9.9	19.0
30	17.0	13.0	25.0
K07C			
40	20.0	16.0	31.0
50	28.0	21.0	40.0
60	37.0	29.0	54.0
L14C/L09C K07CR			
80	53.0	41.0	77.0
100	67.0	51.0	97.0
M09C/M14C			
125	85.0	67.0	125.0
150	108.0	86.0	150.0
200	142.0	109.0	200.0
P11C/P09C			
150	177.0	140.0	250.0
300	225.0	176.0	300.0
350	255.0	199.0	350.0
400	300.0	236.0	400.0
R11C			
450	383.0	300.0	450.0
500	417.0	321.0	500.0
600	550.0	429.0	600.0

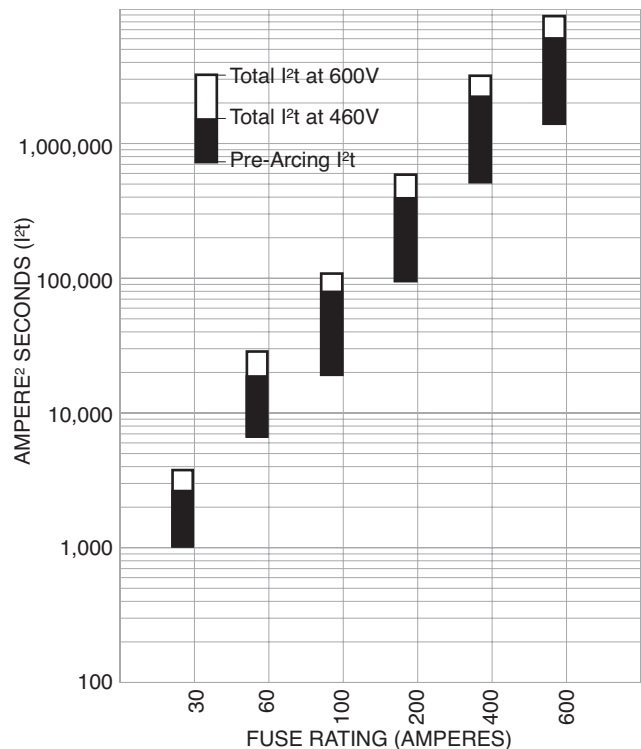
Time/Current-Curves



Peak Let-Through Curves

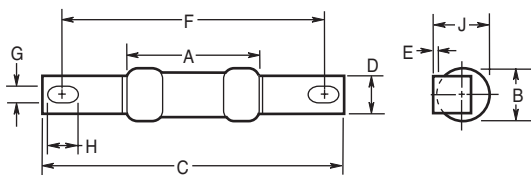


Energy Let-Through Curves

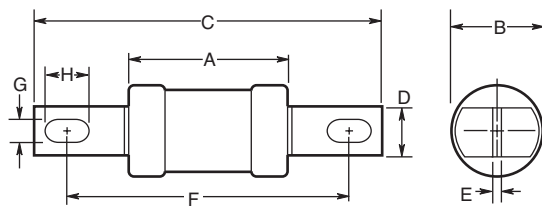


Ratings, Categories and Dimensions

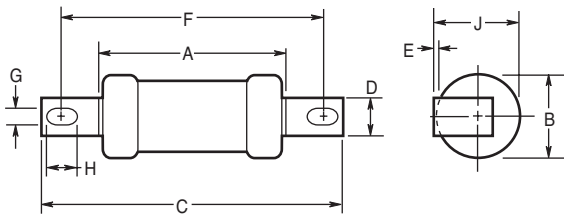
Current Ratings (Amps)	Catalog Number	Dimensions in Inches and mm										CSA Category
		A	B	C	D	E	F	G	H	J	K	
2 4 6 10 15 20 25 30	2H07C 4H07C 6H07C 10H07C 15H07C 20H07C 25H07C 30H07C	1.38 35	.56 14	3.38 85	.38 9	.06 1.2	2.88 73	.22 5.6	.31 8	.56 14	- -	HRCII-C
40 50 60	40K07C 50K07C 60K07C	2.19 56	.88 22	3.44 87	.5 13	.06 1.2	2.88 73	.22 5.6	.31 8	.88 22	- -	HRCII-C
80 100	80K07CR 100K07CR	2.19 56	.88 22	3.75 95	.5 13	.06 1.2	2.88 73	.22 5.6	.31 8	.88 22	- -	HRCII-MISC
80 100	80L14C 100L14C	2.38 60	.88 21.4	4.38 111	.56 14.3	.13 3.2	3.69 94	.34 8.7	.44 11	1 25	- -	HRCII-C
125 150 200	125M14C 150M14C 200M14C	2.56 65	1.5 38	4.38 111	.75 19	.09 2.4	3.69 94	.34 8.7	.44 11	- -	- -	HRCII-MISC
80 100	80L09C 100L09C	2.38 60	.88 21.4	5 127	.56 14	.13 3.2	4.38 111	.34 8.7	.44 11	- -	- -	HRCII-MISC
125 150 200	125M09C 150M09C 200M09C	2.56 65	1.5 38	5.38 136	.75 19	.13 3.2	4.38 111	.34 8.7	.56 14	- -	- -	HRCII-C
250 300 350 400	250P09C 300P09C 350P09C 400P09C	3.06 78	2.31 59	5.38 136	1 25.4	.19 4.8	4.38 111	.34 8.7	.5 13	- -	- -	HRCII-MISC
250 300 350 400	250P11C 300P11C 350P11C 400P11C	3.06 78	2.31 59	8.25 210	1 25.4	.19 5	5.25 133	.41 10	.63 16	- -	1 25	HRCII-C
450 500 600	450R11C 500R11C 600R11C	3.19 81	2.88 73	8.25 210	1 25.4	.25 6.3	5.25 133	.41 10	.63 16	- -	1 25	HRCII-C



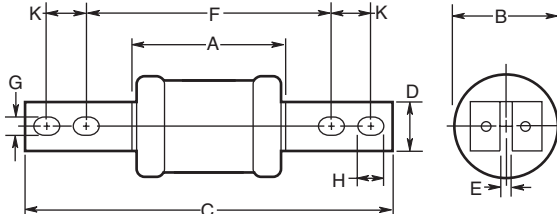
H07C (Offset Tags)



L09C/M09C/P09C (Center Tags)



K07C/K07CR/L14C/M14C (Offset Tags)



P11C/R11C (Center Tags)