



# A70QS FRENCH CYLINDRICAL SEMICONDUCTOR PROTECTION FUSES

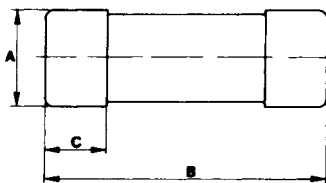
## Ratings and Application Data

BODY SIZE (mm)	AMP RATING (A)	MELTING I <sup>2</sup> t (A <sup>2</sup> s x 10 <sup>3</sup> )	MAX. CLEARING I <sup>2</sup> t @ 700VAC (A <sup>2</sup> s x 10 <sup>3</sup> )	WATTS LOSS @ RATED CURRENT (W)	CATALOG NUMBER	
					NO STRIKER	WITH STRIKER
14 x 51	6	0.0013	0.017	2.0	A70QS6-14F	A70QS6-14FI
	8	0.0024	0.027	2.8	A70QS8-14F	A70QS8-14FI
	10	0.0043	0.04	3.5	A70QS10-14F	A70QS10-14FI
	12	0.0054	0.06	4.4	A70QS12-14F	A70QS12-14FI
	16	0.0132	0.10	4.8	A70QS16-14F	A70QS16-14FI
	20	0.027	0.16	5.2	A70QS20-14F	A70QS20-14FI
	25	0.053	0.27	5.8	A70QS25-14F	A70QS25-14FI
	32	0.098	1.50	7.0	A70QS32-14F	A70QS32-14FI
	40	0.13	0.70	10.7	A70QS40-14F	A70QS40-14FI
	50	0.28	1.50	11.6	A70QS50-14F	A70QS50-14FI
22 x 58	10	0.0043	0.025	4.0	A70QS10-22F	A70QS10-22FI
	15	0.008	0.049	6.2	A70QS15-22F	A70QS15-22FI
	20	0.013	0.076	8.0	A70QS20-22F	A70QS20-22FI
	25	0.02	0.125	10.0	A70QS25-22F	A70QS25-22FI
	32	1.04	0.27	11.0	A70QS32-22F	A70QS32-22FI
	40	1.09	0.48	13.0	A70QS40-22F	A70QS40-22FI
	50	0.16	0.80	14.9	A70QS50-22F	A70QS50-22FI
	63	0.35	1.85	16.0	A70QS63-22F	A70QS63-22FI
	70	0.52	2.80	16.5	A70QS70-22F	A70QS70-22FI
	80	0.73	3.80	17.8	A70QS80-22F	A70QS80-22FI
	90	1.10	5.64	17.0	A70QS90-22F	A70QS90-22FI
	100	1.56	8.00	19.0	A70QS100-22F	A70QS100-22FI

\*100kA, L/R = 11.6ms

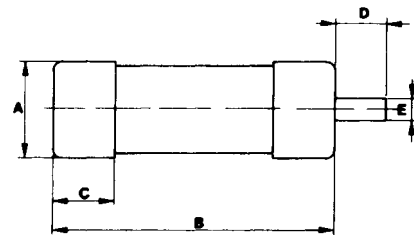
### No Striker

FUSE SIZE	DIMENSIONS-mm		
	A	B	C
14 x 51	14	51	14
22 x 58	22	58	16



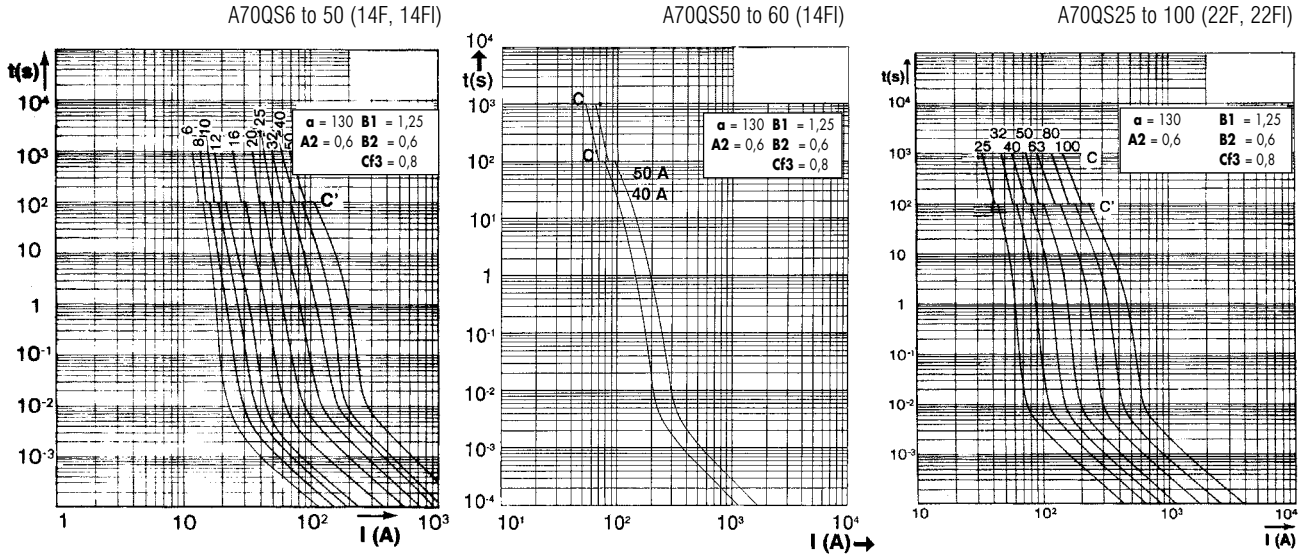
### With Striker

FUSE SIZE	DIMENSIONS-mm				
	A	B	C	D	E
14 x 51	14	51	14	7.5	3.8
22 x 58	22	58	16	7.5	3.8



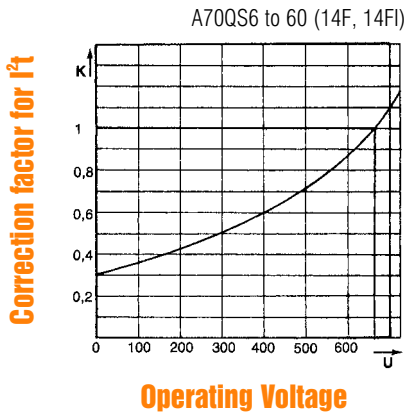
# A70QS FRENCH CYLINDRICAL SEMICONDUCTOR PROTECTION FUSES

## Melting Time-Current Data

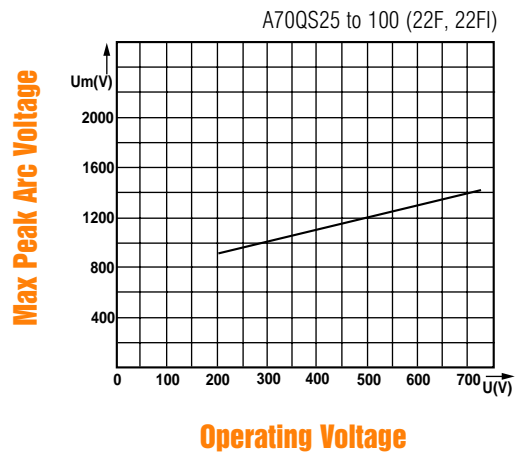
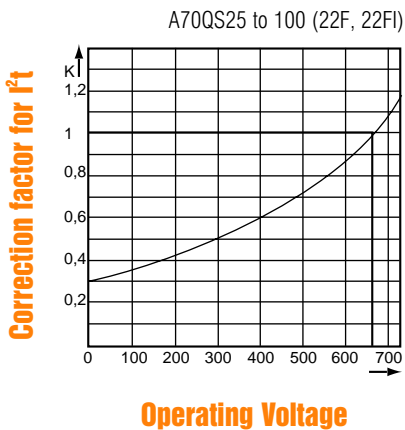
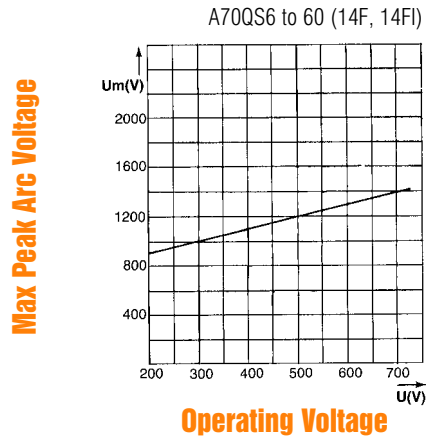


These curves indicate, for each rated current, the pre-arcing (melting) time vs. the R.M.S. current.

### Clearing I²t vs. Operating Voltage



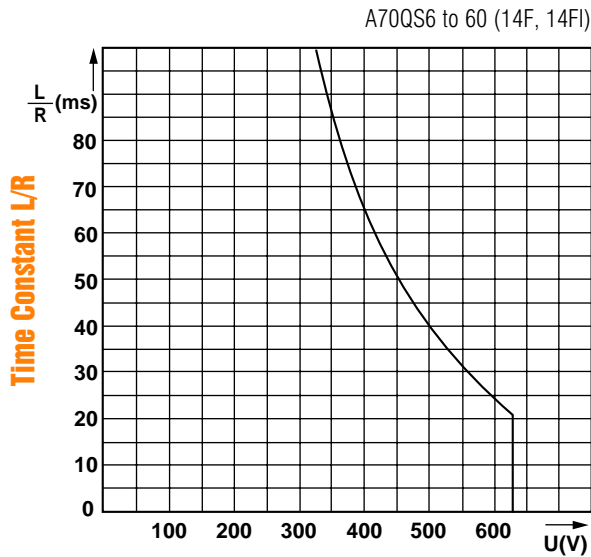
### Peak arc voltage vs. Operating Voltage



# A70QS FRENCH CYLINDRICAL SEMICONDUCTOR PROTECTION FUSES

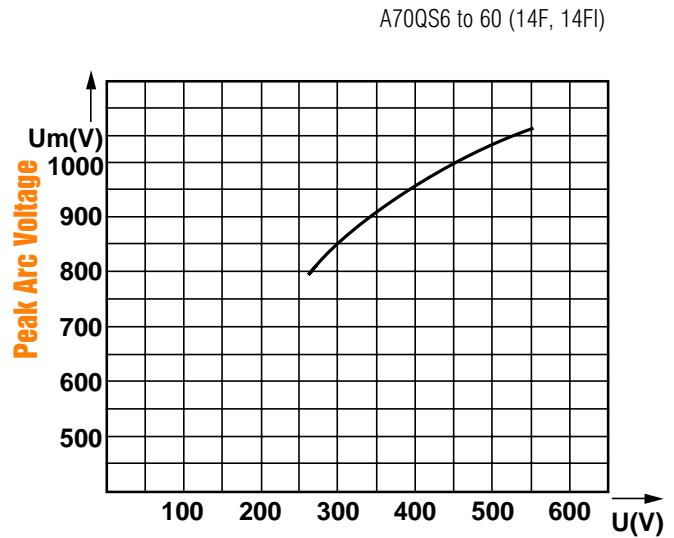
## D.C. Applications Data

DC Voltage Capabilities vs. Time Constant



DC Voltage Capability

Peak Arc voltage vs. DC circuit voltage

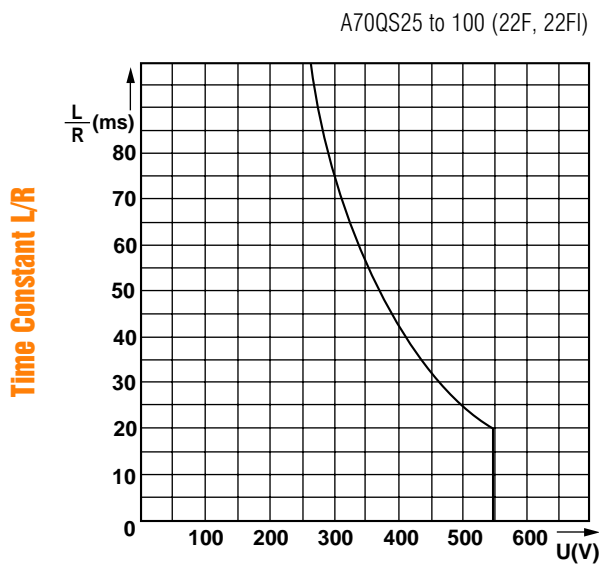


DC Circuit Voltage

See melting-time current data for minimum breaking current.

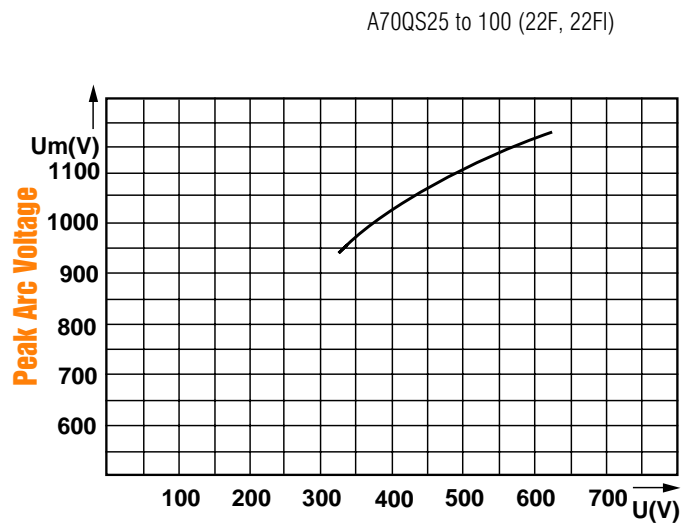


DC Voltage Capabilities vs. Time Constant



DC Voltage Capability

Peak Arc voltage vs. DC circuit voltage



DC Circuit Voltage

These curves provide the DC voltage capability of the fuse as a function of circuit time constant. (L/R ratio)

These curves shows the peak value  $U_m$  of the arc voltage which appears across the fuse link as a function of the operating voltage  $U$ .