

170M — Square Body size 1* to 3, DIN 43653

1250 Vac (IEC), 1300 Vac (UL), 50 to 1400 A

Square body DIN 43653 bolted tags high speed fuses, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.

Ratings

- Volts
 - 1100 to 1300 Vac (see catalog number table)
 - 900 and 1000 Vdc (UL, see catalog number table for specific fuses)
- Amps 50-1400 A
- IR 100 kA RMS Sym.

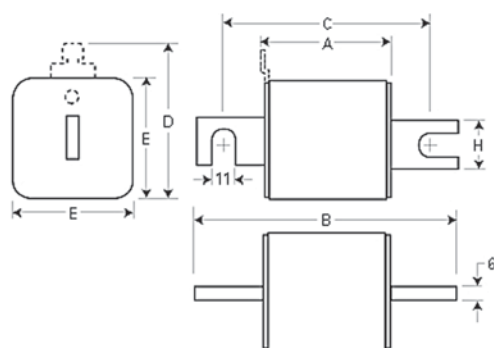
Operating class aR

Agency information

- Designed and tested to IEC 60269 Part 4
 - UL Recognized, JFHR2*, E125085
 - CSA Class 53787, File 1422-30*
 - CE
- * Consult your Bussmann series product representative for status.

Dimensions — mm

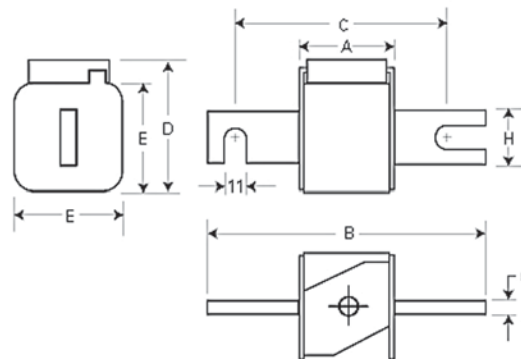
1mm = 0.0394"



Type-/110-TN/110

Size	A	B	C	D ¹	E	H	K
1*	80	138	108	58	45	20	11
1	80	138	108	66	53	25	11
2	80	138	108	75	61	25	11
3	81	139	108	90	76	30	11

1 Clip on microswitch valid for -TN/110 fuses.



Type-KN/110

Size	A	B	C	D	E	H	K
1*	80	138	108	60	45	20	11
1	80	138	108	69	53	25	11
2	80	138	108	77	61	25	11
3	81	139	108	92	76	30	11

For details on electrical characteristics, contact Application Engineering and ask for data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

170M — Square Body size 1* to 3, DIN 43653, 170M

1250 Vac (IEC), 1300 Vac (UL), 50 to 1400 A

Fuse size	Rated voltage	Rated current (amps)	I ² t (A ² s)			Watts loss (W) [†]	Catalog no.		
			Pre-arcing	Clearing at 1000 Vac	Clearing at 1250 Vac		-/110 with indicator	-TN/110 Type T indicator for microswitch	-KN/110 Type K indicator for microswitch
1*	1250 Vac (IEC) 1300 Vac (UL)	50	135	815	1100	15	170M3138	170M3188	170M3238
		63	215	1300	1750	20	170M3139	170M3189	170M3239
		80	420	2500	3350	25	170M3140	170M3190	170M3240
		100	750	4450	5950	30	170M3141	170M3191	170M3241
		125	1450	9000	11,500	35	170M3142	170M3192	170M3242
		160	2600	16,000	21,000	40	170M3143	170M3193	170M3243
		200	5150	31,000	41,000	45	170M3144	170M3194	170M3244
		250	9200	54,500	73,000	55	170M3145	170M3195	170M3245
		315	18,500	115,000	150,000	60	170M3146	170M3196	170M3246
		350	27,000	165,000	220,000	65	170M3147	170M3197	170M3247
		400	53,000	265,000	335,000	70	170M3148	170M3198	170M3248
1	1250 Vac (IEC) 1300 Vac (UL)	160	1900	11,500	15,500	45	170M4138††	170M4188††	170M4238††
		200	3800	22,500	30,000	50	170M4139††	170M4189††	170M4239††
		250	7750	46,000	61,500	60	170M4140††	170M4190††	170M4240††
		315	15,000	90,000	120,000	65	170M4141††	170M4191††	170M4241††
		350	20,000	125,000	165,000	70	170M4142††	170M4192††	170M4242††
		400	29,500	175,000	235,000	75	170M4143††	170M4193††	170M4243††
		450	42,000	250,000	335,000	80	170M4144††	170M4194††	170M4244††
		500	69,500	340,000	435,000	85	170M4145	170M4195	170M4245
		550	95,000	465,000	590,000	95	170M4146	170M4196	170M4246
	1100 Vac (IEC)	630	130,000	660,000	N/A	100	170M4147 ¹	170M4197 ¹	170M4247 ¹
2	1250 Vac (IEC) 1300 Vac (UL)	250	6500	38,500	51,500	65	170M5138	170M5188	170M5238
		280	9350	55,500	74,500	70	170M5139	170M5189	170M5239
		315	13,000	77,500	105,000	75	170M5140	170M5190	170M5240
		350	16,500	97,500	135,000	80	170M5141	170M5191	170M5241
		400	23,000	140,000	180,000	85	170M5142	170M5192	170M5242
		450	34,000	205,000	270,000	90	170M5143	170M5193	170M5243
		500	48,000	285,000	380,000	95	170M5144	170M5194	170M5244
		550	62,000	370,000	495,000	100	170M5145	170M5195	170M5245
		630	115,000	575,000	730,000	120	170M5146††	170M5196††	170M5246
		700	160,000	795,000	1,050,000	125	170M5147††	170M5197††	170M5247
		800	245,000	1,200,000	1,550,000	130	170M5148††	170M5198††	170M5248
3	1300 Vac (UL)	900	360,000	1,750,000	N/A	135	170M5149††	170M5199††	170M5249††
		1000	480,000	2,350,000	N/A	145	170M5150††	170M5200††	170M5250††
		315	9500	58,000	77,500	85	170M6138††	170M6188††	170M6238††
		350	13,500	81,500	110,000	90	170M6139††	170M6189††	170M6239††
		400	19,500	120,000	160,000	95	170M6140††	170M6190††	170M6240††
		450	31,000	185,000	245,000	100	170M6141††	170M6191††	170M6241††
		500	39,000	235,000	310,000	105	170M6142††	170M6192††	170M6242††
		550	55,000	325,000	435,000	110	170M6143††	170M6193††	170M6243††
		630	83,500	495,000	665,000	115	170M6144††	170M6194††	170M6244††
		700	115,000	705,000	940,000	120	170M6145††	170M6195††	170M6245††
		800	205,000	995,000	1,300,000	125	170M6146†††	170M6196†††	170M6246 ¹
	1100 Vac (IEC)	900	305,000	1,500,000	1,900,000	130	170M6147†††	170M6197†††	170M6247 ¹
		1000	450,000	2,150,000	2,750,000	135	170M6148†††	170M6198†††	170M6248 ¹
		1100	575,000	2,800,000	3,600,000	160	170M6149†††	170M6199†††	170M6249 ¹
		1250	810,000	3,950,000	N/A	170	170M6150 ¹ ,††	170M6200 ¹	170M6250 ¹
		1400	1,250,000	6,000,000	N/A	175	170M6151 ¹ ,††	170M6201 ¹	170M6251 ¹

† Watts loss at rated current.

†† DC voltage rated at 900 Vdc, UL Recognized, File E125085.

††† DC voltage rated at 1000 Vdc, UL Recognized, File E125085.

1 Not UL Recognized.

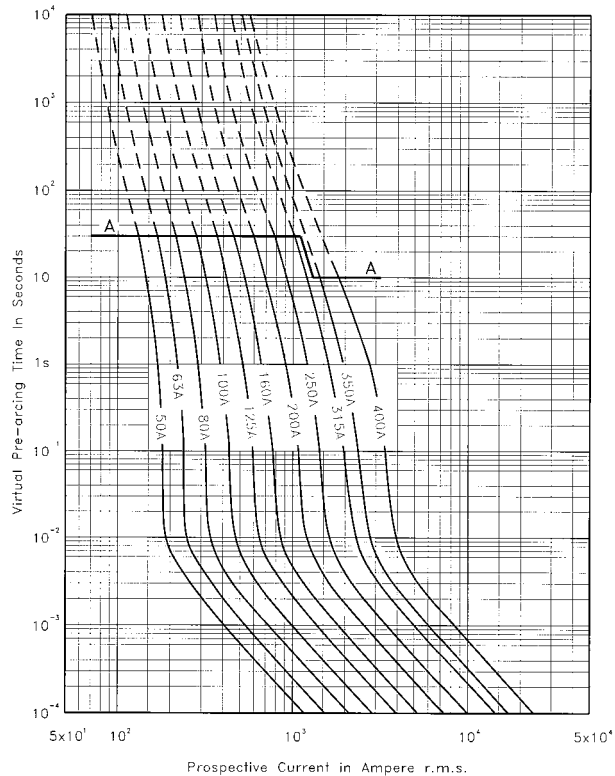
For details on electrical characteristics, contact Application Engineering and ask for data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

High Speed Fuses

Square body DIN 43 653 — 1250V/1300V (IEC/UL): 50-1400A

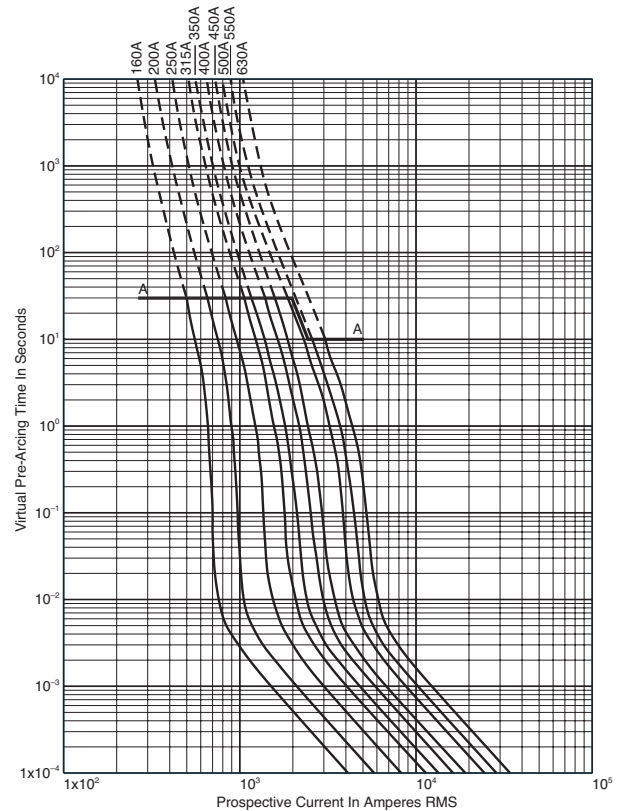
Size 1* — 50-400A:1250V

Time-Current Curve

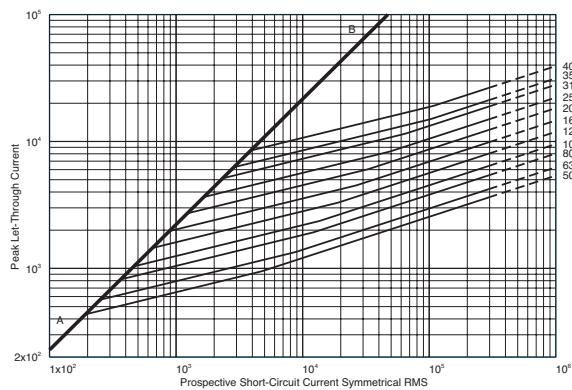


Size 1 — 160-630A: 1250V

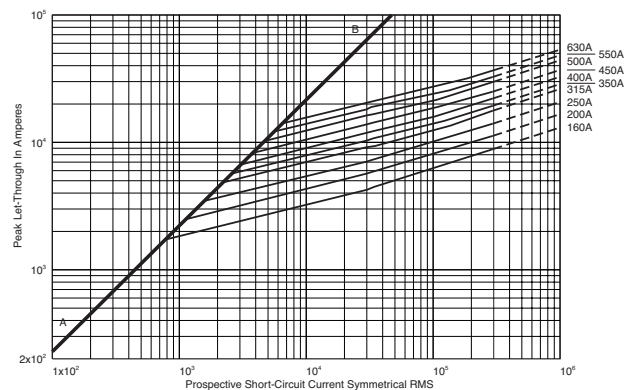
Time-Current Curve



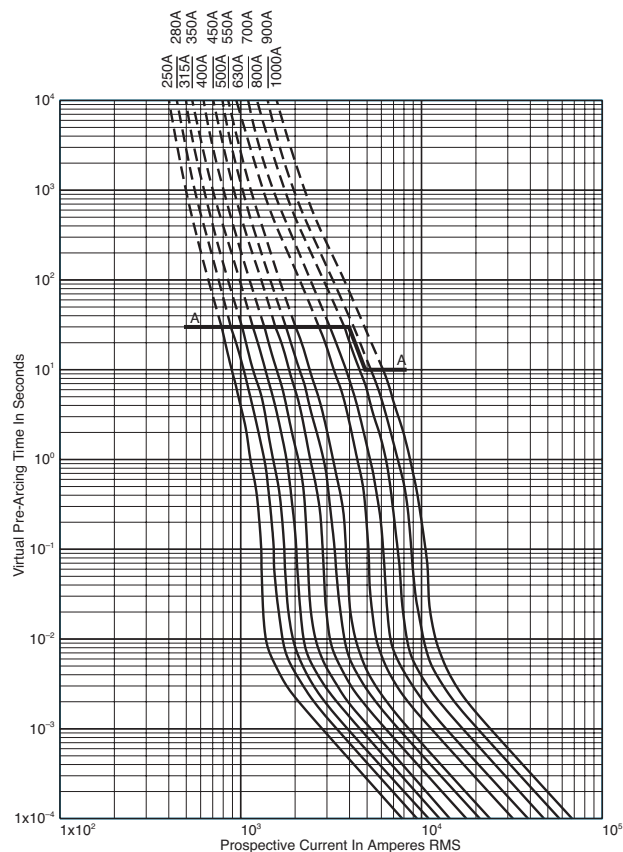
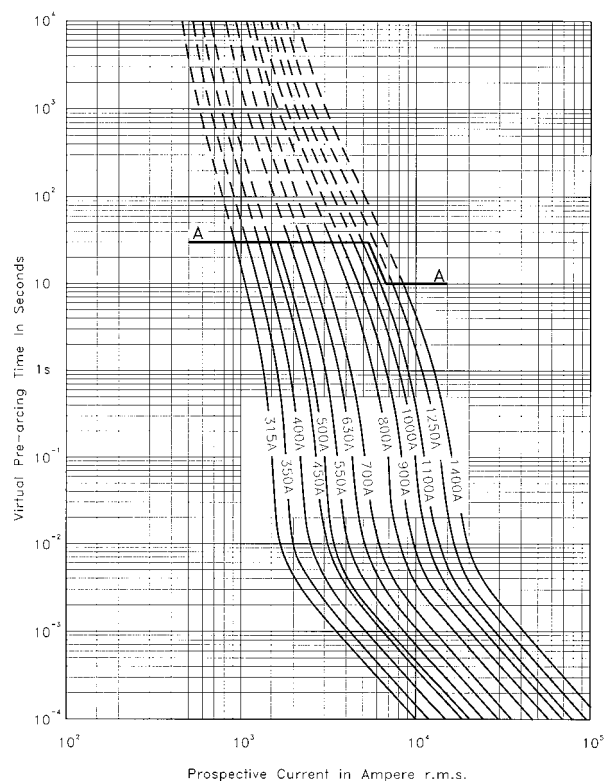
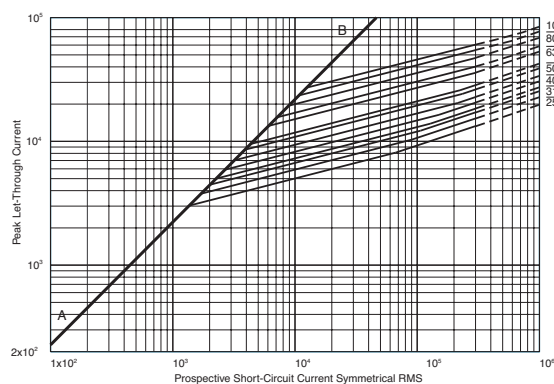
Peak Let-Through Curve



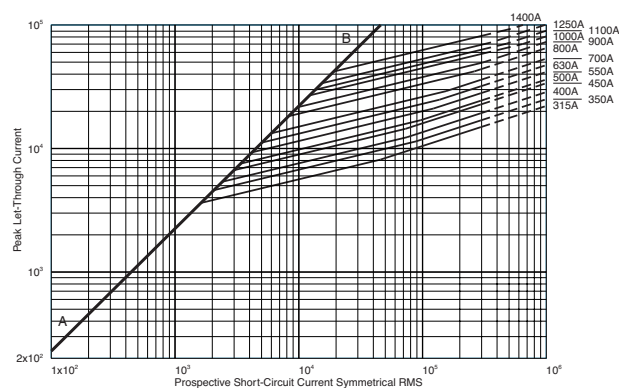
Peak Let-Through Curve



630A fuse is derated to 1100V (IEC).

High Speed Fuses**Square body DIN 43 653 — 1250V/1300V (IEC/UL):
50-1400A****Size 2 — 250-1000A: 1250V**
Time-Current Curve**Size 3 — 315-1400A: 1250V**
Time-Current CurveHigh Speed
Fuses**Peak Let-Through Curve**

900-1000A fuses are derated to 1100V (IEC).

Peak Let-Through Curve

1250-1400A fuses are derated to 1100V (IEC).