

170M — Square Body size 1* to 3, US style

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

Square body US style bolted tags high speed fuses for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters. Available with Type K indicator for microswitches.

Ratings

- Volts
 - 1250 Vac (IEC)
 - 1300 Vac (UL)
 - 900 Vdc (UL, see catalog number table for specific fuses)
- Amps 50-1400 A
- IR 100 kA RMS Sym.

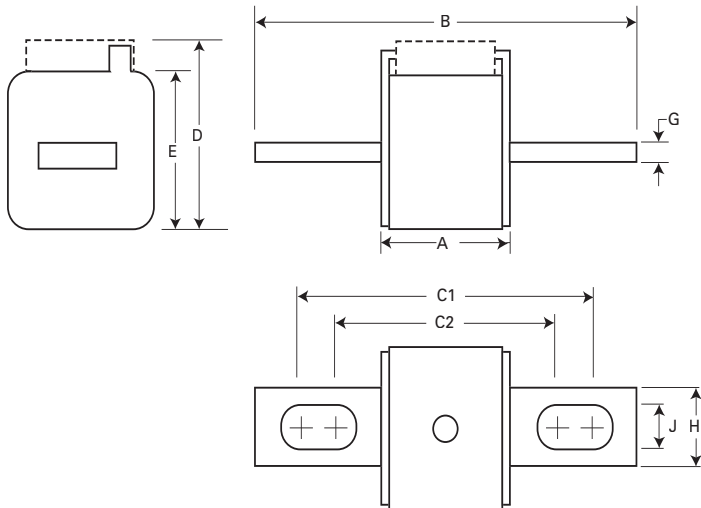
Operating class aR

Agency information

- Designed and tested to IEC 60269 Part 4
- UL Recognized†
- CSA†
- CCC†
- CE

† Consult your Bussmann series product representative for status.

Dimensions — mm



Type-FU/115,-FKE/115

Size	A	B	C1	C2	D	E	G	H	J
1*	74	156	130	101	59	45	6	20	10
1	76	160	127	102	69	53	6	25	14
2	76	160	127	102	77	61	6	25	14
3	76	159	128	101	92	76	6	36	16



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

Fuse size		Rated voltage	Rated current (amps)	I²t (A²s)			Watts loss (W)†	Catalog no.	
				Pre-arcing	Clearing at 1000 Vac	Clearing at 1250 Vac		-FU/115 without indicator	-FKE/115 Type K indicator for microswitch
1*	1250 Vac (IEC) 1300 Vac (UL)	50	135	815	1100	15	170M3688††	170M3738††	
		63	215	1300	1750	20	170M3689††	170M3739††	
		80	420	2500	3350	25	170M3690††	170M3740††	
		100	750	4450	5950	30	170M3691††	170M3741††	
		125	1450	9000	11,500	35	170M3692††	170M3742††	
		160	2600	16,000	21,000	40	170M3693††	170M3743††	
		200	5150	31,000	41,000	45	170M3694††	170M3744††	
		250	9200	54,500	73,000	55	170M3695††	170M3745††	
		315	18,500	115,000	150,000	60	170M3696††	170M3746††	
		350	27,000	165,000	220,000	65	170M3697††	170M3747††	
1	1250 Vac (IEC) 1300 Vac (UL)	160	1900	11,500	15,500	45	170M4688	170M4738	
		200	3800	22,500	30,000	50	170M4689	170M4739	
		250	7750	46,000	61,500	60	170M4690	170M4740	
		315	15,000	90,000	120,000	65	170M4691	170M4741	
		350	20,000	125,000	165,000	70	170M4692	170M4742	
		400	29,500	175,000	235,000	75	170M4693	170M4743	
		450	42,000	250,000	335,000	80	170M4694	170M4744	
		500	69,500	340,000	N/A	85	170M4695	170M4745	
		550	95,000	465,000	N/A	95	170M4696	170M4746	
		630	130,000	660,000	N/A	100	170M4697	170M4747	
2	1250 Vac (IEC) 1300 Vac (UL)	250	6500	38,500	51,500	65	170M5688	170M5738	
		280	9350	55,500	74,500	70	170M5689	170M5739	
		315	13,000	77,500	105,000	75	170M5690	170M5740	
		350	16,500	97,500	135,000	80	170M5691	170M5741	
		400	23,000	140,000	180,000	85	170M5692	170M5742	
		450	34,000	205,000	270,000	90	170M5693	170M5743	
		500	48,000	285,000	380,000	95	170M5694	170M5744	
		550	62,000	370,000	495,000	100	170M5695	170M5745	
		630	115,000	575,000	730,000	120	170M5696	170M5746	
		700	160,000	795,000	N/A	125	170M5697	170M5747	
		800	245,000	1,200,000	N/A	130	170M5698	170M5748	
		900	360,000	1,750,000	N/A	135	170M5699	170M5749	
		1000	480,000	2,350,000	N/A	145	170M5700	170M5750	
		3	1250 Vac (IEC) 1300 Vac (UL)	315	9500	58,000	77,500	85	170M6688
350	13,500			81,500	110,000	90	170M6689	170M6739	
400	19,000			120,000	160,000	95	170M6690	170M6740	
450	31,000			185,000	245,000	100	170M6691	170M6741	
500	39,000			235,000	310,000	105	170M6692	170M6742	
550	55,000			325,000	435,000	110	170M6693	170M6743	
630	83,500			495,000	665,000	115	170M6694	170M6744	
700	115,000			705,000	940,000	120	170M6695	170M6745	
800	205,000			995,000	1,300,000	125	170M6696	170M6746	
900	305,000			1,500,000	1,900,000	130	170M6697	170M6747	
1000	450,000			2,150,000	N/A	135	170M6698	170M6748	
1100	575,000			2,800,000	N/A	160	170M6699	170M6749	
1250	810,000			3,950,000	N/A	170	170M6700	170M6750	
1400	1,250,000			6,000,000	N/A	175	170M6701	170M6751	

† Watts loss at rated current.

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

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)

Square Body fuse accessories

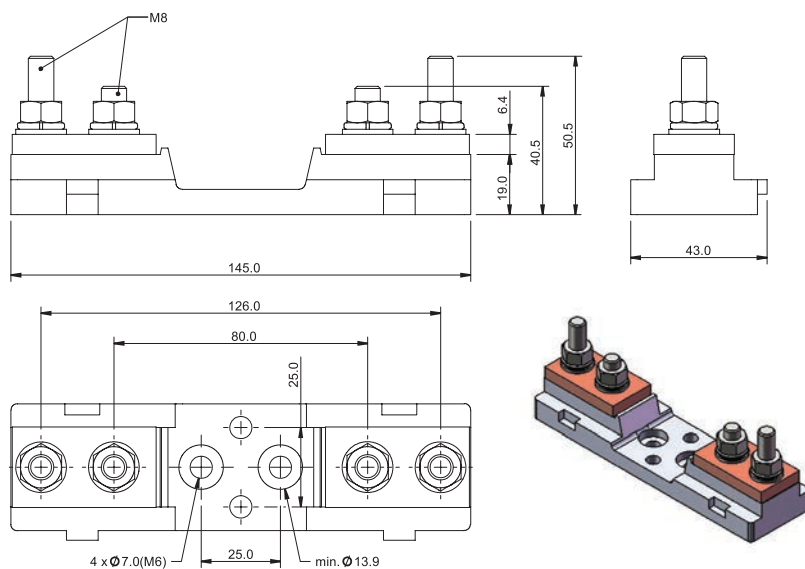
Fixed center fuse blocks for DIN 43653 fuses

Fuse blocks for use with DIN 43653 square body fuses with center distances of 80 and 110mm. Available for sizes 000, 00, 1*, 1, 2 and 3.

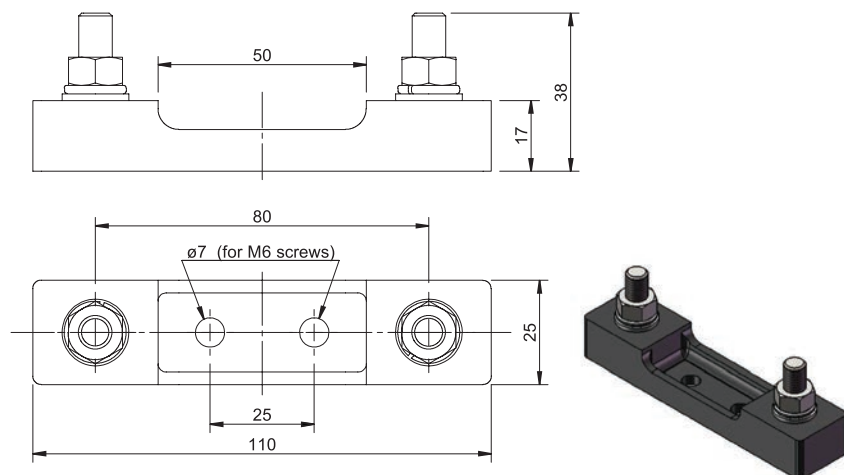
Sizes 000 to 00

Catalog no.	Max rated voltage	Max fuse amp rating	Center distance (mm)	Fuse sizes
170H1007	1000	400	80	00, 000
170H1013	690	200	80	0000, 000

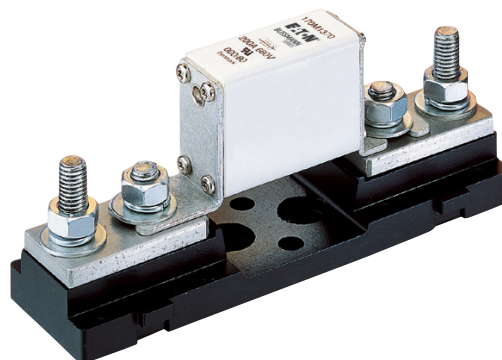
Dimensions — mm



170H1007



170H1013



Square Body fuse accessories

Fixed center fuse blocks for DIN 43653 fuses

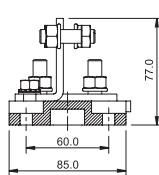
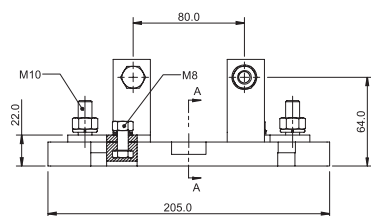
Sizes 1* to 3

Catalog no.	Max rated voltage	Max fuse amp rating	Center distance (mm)
170H3003	1000	630	80
170H3004†	1000	1250	80
170H3005	1400	630	110
170H3006†	1400	1250	110

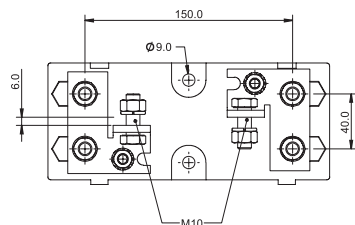
† Fuses with ratings higher than 1250 A can be used with 170H3004 or 170H3006 if the maximum load current is derated according to this table.

Fuse amp rating	Max. amp load in fuse block
1400	1325
1500	1400
1600	1500
1800	1650
2000	1800

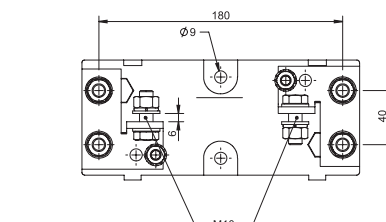
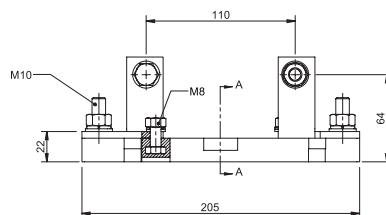
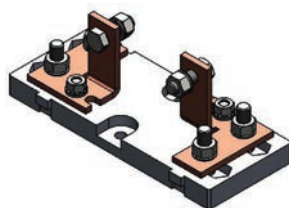
Dimensions — mm



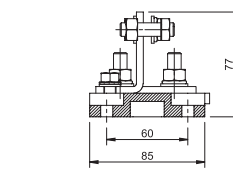
SECTION A-A



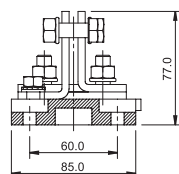
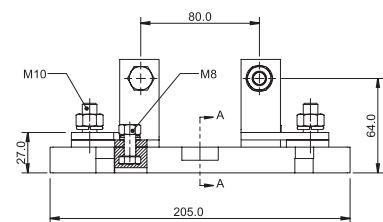
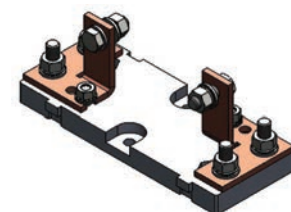
170H3003



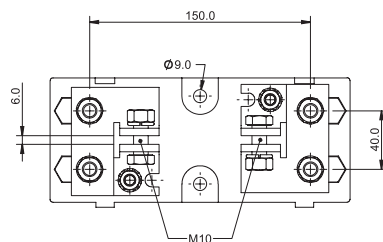
170H3005



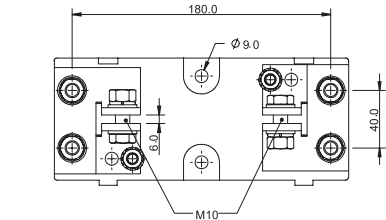
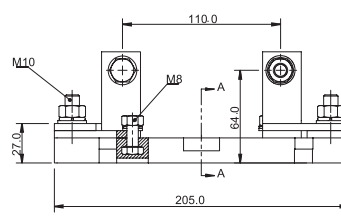
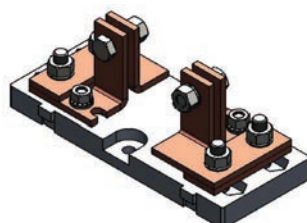
SECTION A-A



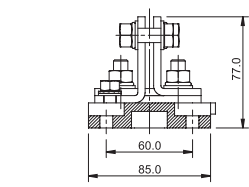
SECTION A-A



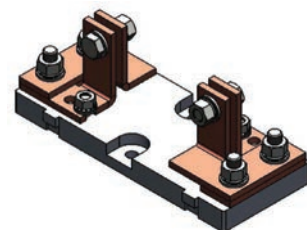
170H3004



170H3006



SECTION A-A



Square Body fuse accessories

Indicators

High speed square body fuses are available with the following indicators.

Visual indicator

The indicator situated in one end plate is clearly visible as soon as the fuse has operated. The minimum rated voltage for operating the indicator is 20 V.

Type T indicator

The indicator is situated on one cover plate with a cover plate tag to accommodate an auxiliary switch. The minimum rated voltage for operating the indicator is 20 V. A special low rated voltage indicator (1.5 V) is available on request.

Type K indicator

The indicator is situated on the fuse body. It is covered by an adapter for snap-on mounting of a microswitch. The rated operating voltage of the indicator is 1.5 V. As a matter of safety, the factory mounted adapter must not be removed from the fuse.

Microswitches

High speed square body fuses with either Type T or K indicators can be equipped with a microswitch for remote signaling of fuse operation. All microswitches have one normally open (NO) and one normally closed (NC) contact.

Ratings

- Volts 250 Vac
- Amps 5 A

Catalog numbers

Fuse size	DIN 43653		DIN 43620		French style		Flush-end		US style	Quick connect terminal size (mm)
	Type T	Type K	aR	gR and dual indication	Type T	Type K	Type T	Type K	Type K	
000	170H0236	—	170H0236	170H0236	—	—	—	—	—	6.3x0.8
	170H0238	—	170H0238	170H0238	—	—	—	—	—	2.8x0.5
00	170H0235	—	170H0236	170H0236	—	—	170H0235	—	—	6.3x0.8
	170H0237	—	170H0238	170H0238	—	—	170H0237	—	—	2.8x0.5
1*	170H0235	170H0069	170H0235	—	170H0236	170H0069	—	170H0069	170H0069	6.3x0.8
	170H0237	—	170H0237	—	170H0238	—	—	—	—	2.8x0.5
1	170H0235	170H0069	170H0235 ¹	170H0236	170H0236	170H0069	—	170H0069	170H0069	6.3x0.8
	170H0237	—	170H0237 ¹	170H0238	170H0238	—	—	—	—	2.8x0.5
2	170H0235	170H0069	170H0235	170H0236	170H0236	170H0069	—	170H0069	170H0069	6.3x0.8
	170H0237	—	170H0237	170H0238	170H0238	—	—	—	—	2.8x0.5
3	170H0235	170H0069	170H0236	170H0236	170H0236	170H0069	—	170H0069	170H0069	6.3x0.8
	170H0237	—	170H0238	170H0238	170H0238	—	—	—	—	2.8x0.5
4	—	—	—	—	—	—	—	170H0069	—	
23	—	—	—	—	—	—	—	170H0069	—	6.3x0.8
24	—	—	—	—	—	—	—	170H0069	—	

1 DIN2* (55x55), if DIN2 then use microswitch 170H0236, 170H0238.

For special microswitches, double microswitches, microswitches with DC ratings, lower/higher signal levels and for insulation voltages please contact Eaton's Bussmann Division: bulehighspeedtechnical@eaton.com.

