

170M — size 00 to 3, DIN 43620, full range (gR)

690 Vac (IEC), 10 to 800 A

Description

Square body DIN 43653 blade high speed fuses. Full range protection fuses provide both overload and short-circuit protection. Fuses come with Type T indicator for a microswitch.

Specifications

Ratings

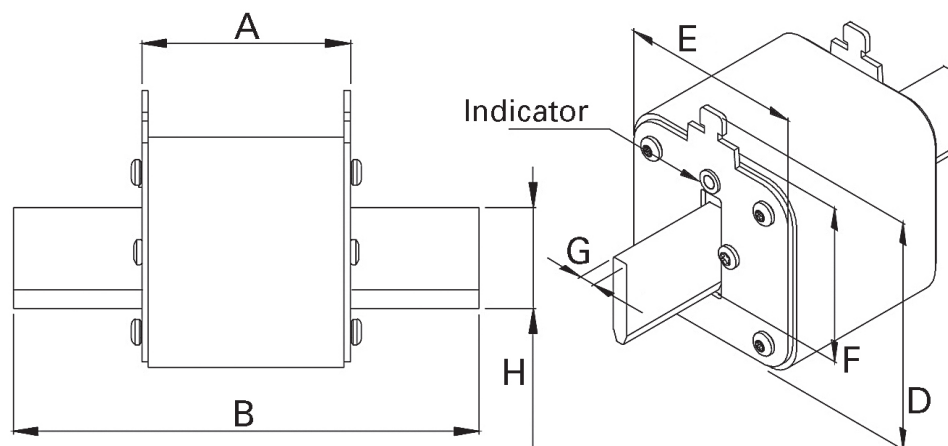
- Volts: 690 Vac (IEC)
- Amps: 10-800 A
- Interrupting rating: 200 kA RMS Sym.

Operating class: gR

Agency information

- Designed and tested to IEC 60269 Part 4
- UL Recognized, E125085, JFHR2
- CE

Dimensions — mm



Size	A	B	D (max)	E (max)	F	G	H (min)
00	49	78.5	60	30	35	6	15
1	68	135	66	52	40	6	20
2	68	150	74	60	48	6	25
3	68	150	89	75	60	6	32



For details on electrical characteristics, contact Application Engineering and ask for data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

Square body fuses

170M — size 00 to 3, DIN 43620, full range (gR)

690 Vac (IEC), 10 to 800 A

Fuse size	Rated voltage	Rated current (amps) ¹	I ² t (A ² s)		Watts loss (W)*	Catalog no. with Type T indicator for microswitch
			Pre-arcing	Clearing at 690 Vac		
00	690 Vac (IEC)	10	3.8	20	3.5	170M2691
		16	7.2	38	5.5	170M2692
		20	13.0	70	6.0	170M2693
		25	24.0	125	8.0	170M2694
		32	53.0	275	9.0	170M2695
		40	95.0	490	10.0	170M2696
		50	185.0	1000	11.0	170M2697
		63	345.0	1800	14.0	170M2698
		80	695.0	3600	16.0	170M2699
		100	1250.0	6650	19.0	170M2700
		125	2300.0	12,000	23.0	170M2701
		160	4350.0	22,500	29.0	170M2702
1	690 Vac (IEC)	50	135.0	705	12.0	170M4176
		63	245.0	1300	15.0	170M4177
		80	500.0	2600	17.0	170M4178
		100	950.0	4850	20.0	170M4179
		125	1850.0	9500	23.0	170M4180
		160	3450.0	18,000	28.0	170M4181
		200	6750.0	34,500	31.0	170M4182
		250	13,500.0	70,500	35.0	170M4183
		315	26,000.0	135,000	41.0	170M4184
		350	34,000.0	175,000	45.0	170M4185
2	690 Vac (IEC)	400	48,500.0	250,000	48.0	170M4186
		200	5650.0	29,000	33.0	170M5881
		250	10,000.0	52,500	40.0	170M5882
		315	19,500.0	105,000	46.0	170M5883
		350	26,000.0	135,000	50.0	170M5884
		400	39,500.0	205,000	53.0	170M5885
		450	55,500.0	290,000	59.0	170M5886
		500	73,000.0	375,000	66.0	170M5887
		550	100,000.0	515,000	70.0	170M5888
		630	150,000.0	770,000	79.0	170M5889
3	690 Vac (IEC)	350	23,000.0	120,000	55.0	170M6080
		400	34,000.0	175,000	59.0	170M6081
		450	48,500.0	250,000	62.0	170M6082
		500	64,000.0	330,000	67.0	170M6083
		550	84,500.0	435,000	70.0	170M6084
		630	125,000.0	645,000	85.0	170M6085
		700	160,000.0	840,000	93.0	170M6086
		800	245,000.0	1,300,000	99.0	170M6087

* Watts loss at rated current.

¹ The RMS Amp rating of this fuses range is given with open fuse blocks connected to copper conductors according to IEC 60269, Part 1, table 10. When used in enclosed fuse blocks/disconnects, derating factors have to be observed. Please contact Eaton's Bussmann Division for application assistance bulehighspeedtechnical@eaton.com.

For details on electrical characteristics, contact Application Engineering and ask for data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

170M — size 000 to 3, DIN 43620, dual indicator fuses

690 Vac (IEC), 700 Vac (UL), 10 to 1600 A

Description

Square body DIN 43620 blade high speed fuses with dual indicator system: one indicator in the fuse body and another one in the metallic end plate. Interchangeable with existing high speed DIN 43620 fuses for the protection of UPS, soft starters, solid state relays, variable speed drives, rectifiers and inverters.

Specifications

Ratings

- Volts:
 - 690 Vac (IEC)
 - 700 Vac (UL)
- Amps: 10-1600 A
- Interrupting rating: 200 kA RMS Sym.

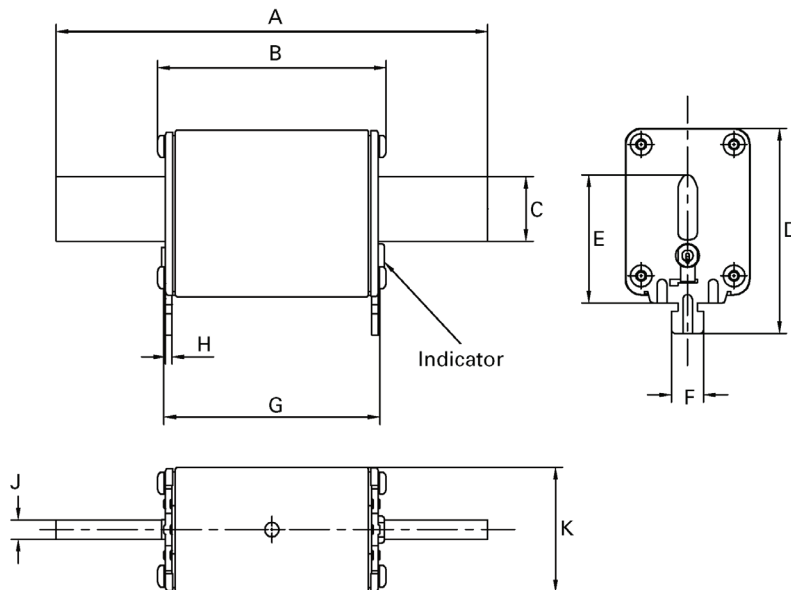
Operating class

- gR (size 000, 10-63 A)
- aR (others)

Agency information

- Designed and tested to IEC 60269 Part 4
- UL Recognized, E125085, JFHR2
- CSA Class 1422-30, (53787) with the exception of catalog number 170M4867D
- CE

Dimensions — mm



Size	A	B	C	D	E	F	G	H	J	K
000	78.5	53.0	15.0	52	35	10	49.7	1.5	6	20.5
00	78.5	53.0	15.0	59	35	10	49.7	2.0	6	30.0
1	135.0	71.4	20.0	64	40	10	67.5	2.0	6	40.0
2	150.0	71.4	25.1	72	48	10	67.5	2.0	6	54.0
3	150.0	72.4	32.0	87	60	10	68.5	2.5	6	71.0

For details on electrical characteristics, contact Application Engineering and ask for data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)



Square body fuses

170M — size 000 to 3, DIN 43620, dual indicator fuses

690 Vac (IEC), 700 Vac (UL), 10 to 1600 A

Fuse size	Rated voltage	Rated current (amps)	Max permissible load current	I ² t (A ² s)		Watts loss (W) ³	Catalog no.
				Pre-arcing	Clearing at 690 Vac		
000	690 Vac (IEC) 700 Vac (UL)	10	10	4	27	2.5	170M1558D
		16	16	7	51	4	170M1559D
		20	20	11.5	82.5	5	170M1560D
		25	25	19	140	6	170M1561D
		32	32	40	285	7	170M1562D
		40	40	65	490	8.5	170M1563D
		50	50	115	815	9.5	170M1564D
		63	63	215	1550	11.5	170M1565D
		80	80	380	2700	15	170M1566D
		100	100	695	4950	16.5	170M1567D
		125	125	1180	8250	21.5	170M1568D
		160	160	2300	16,500	25	170M1569D
		200	200	4350	31,000	29.5	170M1570D
		250	250	7900	56,000	35.5	170M1571D
00	690 Vac (IEC) /700 Vac (UL)	315	315	12,000	84,500	45	170M1572D
1	690 Vac (IEC) 700 Vac (UL)	40	25	40	285	4	170M3808D
		50	30	78	550	4.5	170M3809D
		63	38	120	850	6.5	170M3810D
		80	50	185	1350	8.5	170M3811D
		100	60	360	2600	10	170M3812D
		125	75	550	3900	11	170M3813D
		160	95	1150	8250	12	170M3814D
		200	120	2300	16,500	12.5	170M3815D
		250	150	4350	31,000	16	170M3816D
		315	190	7300	52,000	20	170M3817D
		350	210	10,000	73,000	21.5	170M3818D
		400	240	16,000	115,000	23	170M3819D
		450	270	21,500	155,000	26.5	170M4863D
		500	300	27,000	190,000	28.5	170M4864D
		550	330	33,500	240,000	33	170M4865D
		630	380	48,500	345,000	37.5	170M4866D
		700	420	69,500	495,000	39	170M4867D ¹
2	690 Vac (IEC) 700 Vac (UL)	400	240	11,000	79,000	29	170M5808D
		450	270	16,000	115,000	32	170M5809D
		500	300	21,500	155,000	34	170M5810D
		550	330	29,000	215,000	36	170M5811D
		630	380	41,000	295,000	42	170M5812D
		700	420	60,500	430,000	43	170M5813D
		800	480	86,000	610,000	48	170M5814D
		900	540	125,000	895,000	52	170M5820D
		1000	600	180,000	1,300,000	53	170M5816D
		1100	660	245,000	1,750,000	56	170M5817D
3	690 Vac (IEC) 700 Vac (UL)	500	300	14,000	99,500	43	170M6808D
		550	330	19,500	140,000	44	170M6809D
		630	380	31,000	220,000	45	170M6810D
		700	420	45,000	320,000	46	170M6811D
		800	480	69,500	490,000	48	170M6812D
		900	540	100,000	720,000	50	170M6813D
		1000	600	140,000	985,000	56	170M6814D
		1100	660	190,000	1,400,000	57	170M6892D
		1250	750	300,000	2,150,000	61	170M8554D
		1400	840	380,000	2,700,000	70	170M8555D
		1500	900	470,000	3,350,000	72	170M8556D
		1600	960	585,000	4,150,000	74	170M8557D

¹ 170M4867D is not UL Recognized.

³ Given at maximum load rated current, please refer to data sheets for further details.

For details on electrical characteristics, contact Application Engineering and ask for data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

Square body fuses

170M — size 00, DIN 43620

1000 Vac (IEC and UL), 20 to 225 A

Description

Square body DIN 43620 blade style high speed fuses for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters. Fuses come with Type T indicator for microswitches.

Specifications

Ratings

- Volts:
 - 1000 Vac (IEC and UL)
 - 900 Vac (200 and 225 A)
- Amps: 20-225 A
- Interrupting rating: 125 kA RMS Sym.

Operating class: aR

Agency information

Designed and tested to IEC 60269 Part 4

UL Recognized (20-160 A)

CSA (20-160 A)

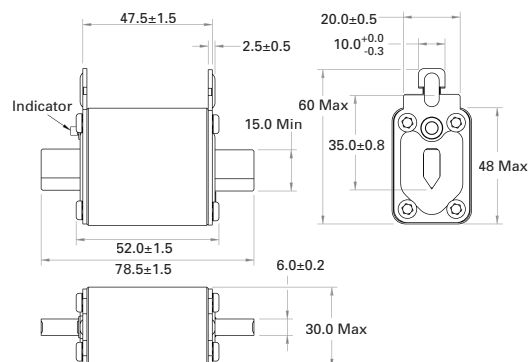
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Fuse size	Rated voltage	Rated current (amps)	I ² t (A ² s)		Watts loss (W)*	Catalog no. with Type T indicator for microswitch
			Pre-arcing	Clearing at 1000 Vac		
00	1000 Vac (IEC/UL)	20	15	110	8.5	170M2673
		25	28.5	210	9.5	170M2674
		32	53	390	11	170M2675
		35	69	500	12	170M2676
		40	105	760	13	170M2677
		50	215	1550	14	170M2678
		63	380	2750	16	170M2679
		80	815	5900	18	170M2680
		100	1550	11,500	21	170M2681
		125	3000	22,000	23	170M2682
00	900 Vac (IEC)	160	6250	45,000	26	170M2683
		200	12,000	86,500	31	170M2684
		225	18,000	115,000	33	170M2685

* Watts loss at rated current.

Dimensions — mm



For details on electrical characteristics, contact Application Engineering and ask for data sheet: 170K8506

Square body fuses

170M — size 1* to 3, French style

690 Vac (IEC), 700 Vac (UL), 40 to 1600 A

Description

Square body French style high speed fuses for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters. Available with Type T or K indicators for microswitches.

Specifications

Ratings

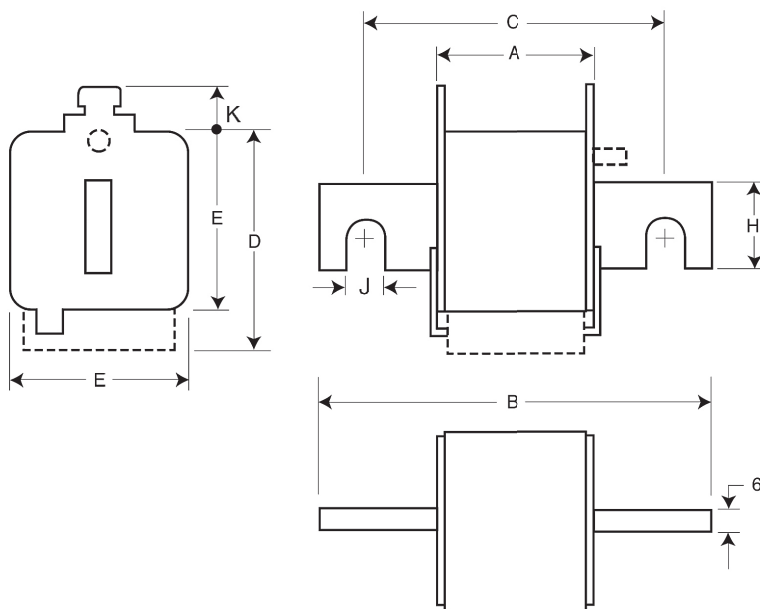
- Volts:
 - 690 Vac (IEC)
 - 700 Vac (UL)
- Amps: 40-1600 A
- Interrupting rating: 200 kA RMS Sym.

Operating class: aR

Agency information

- Designed and tested to IEC 60269 Part 4
- UL Recognized, E125085, JFHR2
- CSA Class 1422-30, (53787) on sizes (1, 2, 3) only
- CCC (please consult bulehighspeedtechnical@eaton.com for status)
- CE

Dimensions — mm



Type -E/-, -EKN/-

Size	A	B	C	D	E	H	J	K
1*	50	102	76	59	45	18	9	13
1	50	111	86	69	53	25	11	11
2	50	126	91	77	61	30	13	12
3	51	126	91	92	76	36	13	13



For details on electrical characteristics, contact Application Engineering and ask for data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Size 1* to 3, French style, 170M

690 Vac (IEC), 700 Vac (UL), 40 to 1600 A

Fuse size	Rated voltage	Rated current (amps)	I ² t (A ² s)		Watts loss (W)*	Catalog no.	
			Pre-arcing	Clearing at 660 Vac		-E/- Type T indicator for microswitch	-EKN/- Type K indicator for microswitch
1*	690 Vac (IEC) 700 Vac (UL)	40	40	270	9	170M3308	170M3358
		50	77	515	11	170M3309	170M3359
		63	115	770	14	170M3310	170M3360
		80	185	1250	18	170M3311	170M3361
		100	360	2450	21	170M3312	170M3362
		125	550	3700	26	170M3313	170M3363
		160	1100	7500	30	170M3314	170M3364
		200	2200	15,000	35	170M3315	170M3365
		250	4200	28,500	40	170M3316	170M3366
		315	7000	46,500	50	170M3317	170M3367
		350	10,000	68,500	55	170M3318	170M3368
		400	15,000	105,000	60	170M3319	170M3369
		450	21,000	140,000	65	170M3320	170M3370
		500	27,000	180,000	70	170M3321	170M3371
1	690 Vac (IEC) 700 Vac (UL)	200	1650	11,500	45	170M4308	170M4358
		250	3100	21,000	55	170M4309	170M4359
		315	6200	42,000	58	170M4310	170M4360
		350	8500	59,000	60	170M4311	170M4361
		400	13,500	91,500	65	170M4312	170M4362
		450	17,000	120,000	70	170M4313	170M4363
		500	25,000	170,000	72	170M4314	170M4364
		550	34,000	230,000	75	170M4315	170M4365
		630	52,000	350,000	80	170M4316	170M4366
		700	69,500	465,000	85	170M4317	170M4367
2	690 Vac (IEC) 700 Vac (UL)	800	105,000	725,000	95	170M4318	170M4368
		400	11,000	74,000	65	170M5308	170M5358
		450	15,500	105,000	70	170M5309	170M5359
		500	21,500	145,000	75	170M5310	170M5360
		550	28,000	190,000	80	170M5311	170M5361
		630	41,000	275,000	90	170M5312	170M5362
		700	60,500	405,000	95	170M5313	170M5363
		800	86,000	575,000	105	170M5314	170M5364
		900	125,000	840,000	110	170M5315	170M5365
		1000	180,000	1,250,000	115	170M5316	170M5366
3	690 Vac (IEC) 700 Vac (UL)	500	14,000	95,000	95	170M6308	170M6358
		550	19,500	135,000	100	170M6309	170M6359
		630	31,000	210,000	105	170M6310	170M6360
		700	44,500	300,000	110	170M6311	170M6361
		800	69,500	465,000	115	170M6312	170M6362
		900	100,000	670,000	120	170M6313	170M6363
		1000	140,000	945,000	125	170M6314	170M6364
		1100	190,000	1,300,000	130	170M6315	170M6365
		1250	290,000	1,950,000	140	170M6316	170M6366
		1400	370,000	2,450,000	155	170M6317	170M6367
		1500	460,000	3,100,000	160	170M6318	170M6368
		1600	580,000	3,900,000	160	170M6319	170M6369

* Watts loss at rated current.

For details on electrical characteristics, contact Application Engineering and ask for data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Square body fuses

170M — size 1* to 3, US style

690 Vac (IEC), 700 Vac (UL), 40 to 2000 A

Description

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 a microswitch.

Specifications

Ratings

- Volts: see catalog numbers table
- Amps: 40-2000 A
- Interrupting rating: 200 kA RMS Sym.

Operating class: aR

Agency information

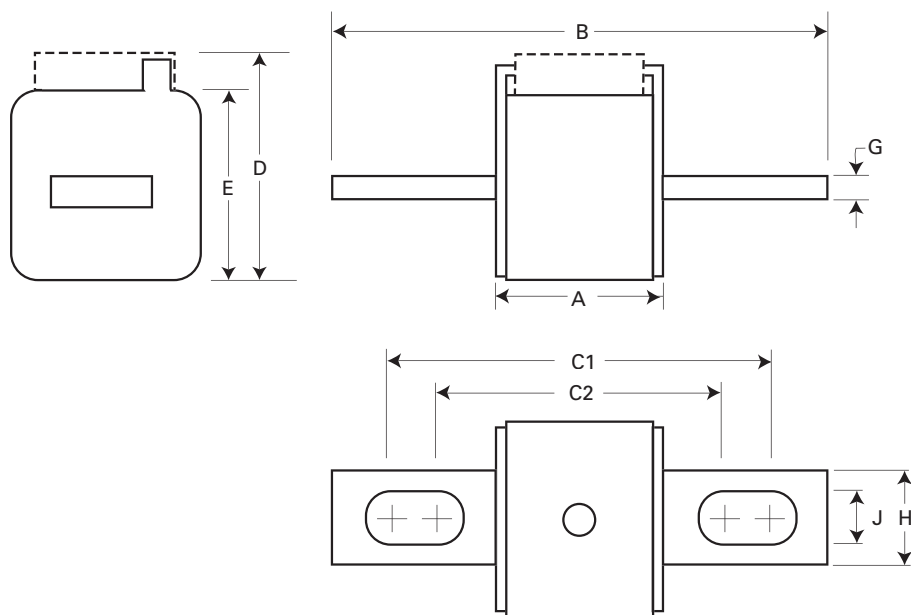
- Designed and tested to IEC 60269 Part 4
- UL Recognized, E125085, JFHR2*
- CSA Class 53787, File 1422-30*
- CCC*
- CE

* Consult your Bussmann series product representative for status.



Dimensions — mm

1 mm = 0.0394"



Type -FU/- , -FKE/- , FU/115- , -FKE/115

Size	A	B	B1	C1	C1'	C2	C2'	D	E	G	H	J
1*	50	110	148	85	123	72	110	59	45	6	20	10
1	50	136	157	104	126	78	100	69	53	6	25	14
2	50	135	159	105	125	78	99	77	61	6	25	14
3	51	135	155	106	125	77	97	92	76	6	36	16

* Valid for fuses types -FU/115 and -FKE/115.

For details on electrical characteristics, contact Application Engineering and ask for data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

170M — size 1* to 3, US style

690 Vac (IEC), 700 Vac (UL), 40 to 2000 A

Fuse size	Rated voltage	Rated current (amps)	I ² t (A ² s)		Catalog no.		-FKE/- Type K indicator for microswitch	-FU/115 without indicator	-FKE/115 Type K indicator for microswitch
			Pre-arcing	Clearing at 660 Vac	Watts loss (W)*	-FU/- without indicator			
1*	690 Vac (IEC) 700 Vac (UL)	40	40	270	9	170M3608	170M3658	170M3708	170M3758
		50	70	515	11	170M3609	170M3659	170M3709	170M3759
		63	115	770	14	170M3610	170M3660	170M3710	170M3760
		80	185	1250	18	170M3611	170M3661	170M3711	170M3761
		100	360	2450	21	170M3612	170M3662	170M3712	170M3762
		125	550	3700	26	170M3613	170M3663	170M3713	170M3763
		160	1100	7500	30	170M3614	170M3664	170M3714	170M3764
		200	2200	15,000	35	170M3615	170M3665	170M3715	170M3765
		250	4200	28,500	40	170M3616	170M3666	170M3716	170M3766
		315	7000	46,500	50	170M3617	170M3667	170M3717	170M3767
		350	10,000	68,500	55	170M3618	170M3668	170M3718	170M3768
		400	15,000	105,000	60	170M3619	170M3669	170M3719	170M3769
		450	21,000	140,000	65	170M3620	170M3670	170M3720	170M3770
		500	27,000	180,000	70	170M3621	170M3671	170M3721	170M3771
		550	34,000	230,000	75	170M3622	170M3672	170M3722	170M3772
		630	48,500	325,000	80	170M3623	170M3673	170M3723	170M3773
1	690 Vac (IEC) 700 Vac (UL)	200	1650	11,500	45	170M4608	170M4658	170M4708	170M4758
		250	3100	21,000	55	170M4609	170M4659	170M4709	170M4759
		315	6200	42,000	58	170M4610	170M4660	170M4710	170M4760
		350	8500	59,000	60	170M4611	170M4661	170M4711	170M4761
		400	13,500	91,500	65	170M4612	170M4662	170M4712	170M4762
		450	17,000	120,000	70	170M4613	170M4663	170M4713	170M4763
		500	25,000	170,000	72	170M4614	170M4664	170M4714	170M4764
		550	34,000	230,000	75	170M4615	170M4665	170M4715	170M4765
		630	52,000	350,000	80	170M4616	170M4666	170M4716	170M4766
		700	69,500	465,000	85	170M4617	170M4667	170M4717	170M4767
		800	105,000	725,000	95	170M4618	170M4668	170M4718	170M4768
	550 Vac (IEC)	900	155,000	850,000	100	170M4619	170M4669	170M4719	170M4769
2	690 Vac (IEC) 700 Vac (UL)	400	11,000	74,000	65	170M5608	170M5658	170M5708	170M5758
		450	15,500	105,000	70	170M5609	170M5659	170M5709	170M5759
		500	21,500	145,000	75	170M5610	170M5660	170M5710	170M5760
		550	28,000	190,000	80	170M5611	170M5661	170M5711	170M5761
		630	41,000	275,000	90	170M5612	170M5662	170M5712	170M5762
		700	60,500	405,000	95	170M5613	170M5663	170M5713	170M5763
		800	86,000	575,000	105	170M5614	170M5664	170M5714	170M5764
		900	125,000	840,000	110	170M5615	170M5665	170M5715	170M5765
		1000	180,000	1,250,000	115	170M5616	170M5666	170M5716	170M5766
	600 Vac (IEC) 700 Vac (UL)	1100	245,000	1,600,000	120	170M5617	170M5667	170M5717	170M5767
3	690 Vac (IEC) 700 Vac (UL)	1250	365,000	2,400,000	130	170M5618	170M5668	170M5718	170M5768
		500	14,000	95,000	95	170M6608	170M6658	170M6708	170M6758
		550	19,500	135,000	100	170M6609	170M6659	170M6709	170M6759
		630	31,000	210,000	105	170M6610	170M6660	170M6710	170M6760
		700	44,500	300,000	110	170M6611	170M6661	170M6711	170M6761
		800	69,500	465,000	115	170M6612	170M6662	170M6712	170M6762
		900	100,000	670,000	120	170M6613	170M6663	170M6713	170M6763
		1000	140,000	945,000	125	170M6614	170M6664	170M6714	170M6764
		1100	190,000	1,300,000	130	170M6615	170M6665	170M6715	170M6765
		1250	290,000	1,950,000	140	170M6616	170M6666	170M6716	170M6766
		1400	370,000	2,450,000	155	170M6617	170M6667	170M6717	170M6767
		1500	460,000	3,100,000	160	170M6618	170M6668	170M6718	170M6768
		1600	580,000	3,900,000	160	170M6619	170M6669	170M6719	170M6769
	600 Vac (IEC) 500 Vac (UL)	1800	880,000	5,250,000	165	170M6620	170M6670 ¹	170M6720	170M6770
	550 Vac (IEC) 500 Vac (UL)	2000	1,150,000	6,350,000	175	170M6621	170M6671 ²	170M6721	170M6771

* Watts loss at rated current.

¹ 170M6670 600 Vac (IEC)/550 Vac.

² 170M6671 550 Vac (IEC and UL).

For details on electrical characteristics, contact Application Engineering and ask for data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)