PATRZ KARTA - 170H1007



Podstawa bezpiecznika, Wysoka prędkość, 400 A, AC 1000 V, DIN 00, DIN 000, DIN, IEC, podstawa bezpiecznika o stałym środku (80 mm)

Powering Business Worldwide

Catalog No. **170H1007**

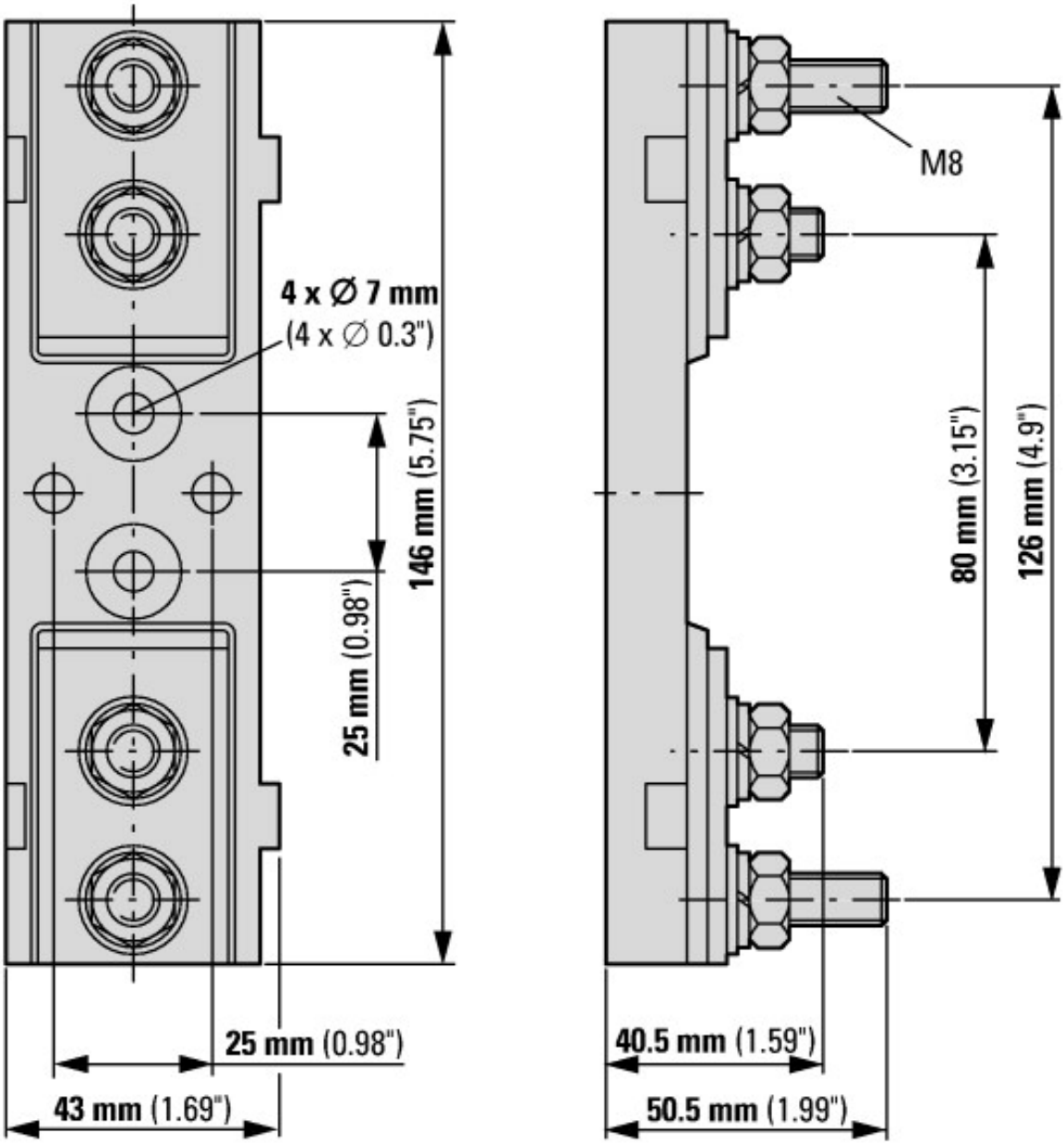
Program dostaw

Asortyment			Akcesoria do bezpieczników
Funkcja podstawowa			Podstawa bezpiecznika
Obszar zastosowania			Wysoka prędkość
Prąd nominalny	I	A	400
Napięcie nominalne			AC 1000 V
Wielkość			DIN 00 DIN 000
Opis			podstawa bezpiecznika o stałym środku (80 mm)
Standard/znak jakości			DIN IEC
Standardy/regulacje			DIN 43653 IEC 60269-4

Dane techniczne zgodne z ETIM 6.0

Circuit breakers and fuses (EG000020) / Accessories for Low Voltage HRC fuse bases (EC001660)			
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical installation, device (accessories) / Low Voltage HRC fuse base (accessories) (ecl@ss8.1-27-14-92-17 [ACN526008])			
Construction size			-
Type of accessory			-

Wymiary



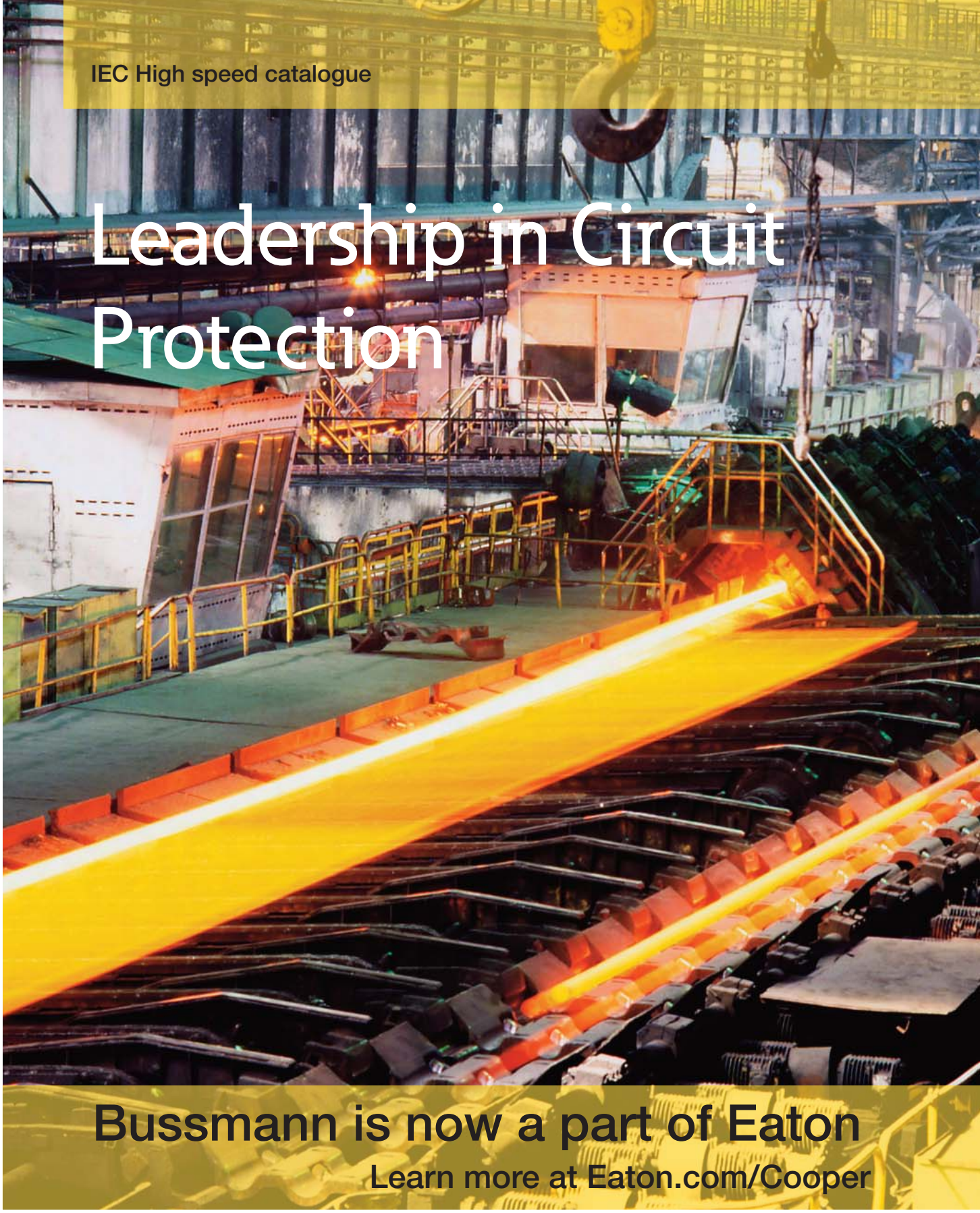
Pozostałe informacje o produkcie (łącza)

Katalog linii dużych prędkości (pdf)	http://www1.cooperbussmann.com/pdf/dc416ece-4392-4b42-ab36-39df6058b353.pdf

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IEC High speed catalogue

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North American Fuse Links

FWA Series
130Vac (UL), 1000 to 4000A



Specifications

Description
North American style flush end high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 130Vac (UL)
Rated Current: 1000-4000A
Breaking Capacity: 200kA RMS Sym at 130Vac, 50kA at 130Vdc

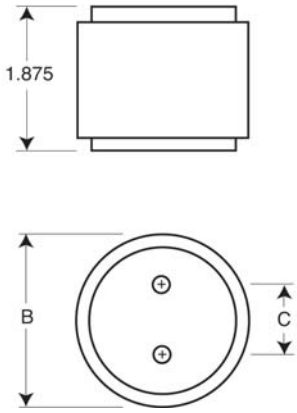
Standards/Agency Information
CE, UL Recognised on 1000-2000A fuse links.

Catalogue Numbers

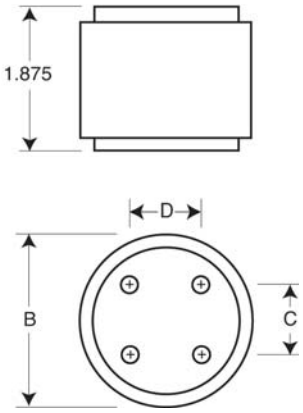
Catalogue Numbers	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
			Pre-Arcing	Clearing at 130Vac	
FWA-1000AH	130Vac (UL)	1000	170,000	460,000	60
FWA-1200AH		1200	270,000	730,000	70
FWA-1500AH		1500	520,000	1,400,000	78
FWA-2000AH		2000	860,000	2,400,000	108
FWA-2500AH		2500	1,500,000	4,100,000	130
FWA-3000AH		3000	2,100,000	5,700,000	150
FWA-4000AH		4000	3,400,000	9,200,000	257

Dimensions - in

1000-3000A



4000A



Rated Current (Amps)	B	C	D	Thread Depth
1000 to 2000	2	1	-	Tapped $^{3}/_{8}$"-24 x $^{1}/_{2}$" UNF
2500 to 3000	3	1.5	-	Tapped $^{1}/_{2}$"-20 x $^{1}/_{2}$" UNF
4000	3.5	1.5	1.5	Tapped $^{1}/_{2}$"-20 x $^{1}/_{2}$"UNF
1mm = 0.0394/1" = 25.4mm				

Data Sheets: 720001, 5785301

North American Fuse Links

FWA Series
150Vac (UL), 70 to1000A



Specifications

Description
North American style bolted tags high speed fuse links used for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 150Vac (UL)
Rated Current: 70-1000A
Breaking Capacity:
100kA RMS Sym. (70-400A)
200kA RMS Sym. (450-1000A)
20kA at 150Vdc (70-800A)
100kA at 80Vdc (70-1000A)

Standards/Agency Information
CE, UL Recognised.

Catalogue Numbers

Catalogue Numbers	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
			Pre-Arcing	Clearing at 150Vac	
FWA-70B	150Vac (UL)	70	470	4000	6.9
FWA-80B		80	670	6000	7.7
FWA-100B		100	1200	12,000	9
FWA-125B		125	1870	18,000	11.2
FWA-150B		150	2700	26,000	13.5
FWA-200B		200	4780	45,000	17.6
FWA-250B		250	7470	70,000	22.5
FWA-300B		300	10,760	100,000	27
FWA-350B		350	15,700	140,000	30.6
FWA-400B		400	20,300	180,000	35.2
FWA-500A		500	39,000	120,000	35
FWA-600A		600	46,000	140,000	47
FWA-700A		700	75,000	220,000	49
FWA-800A		800	92,000	280,000	58
FWA-1000A		1000	170,000	510,000	60

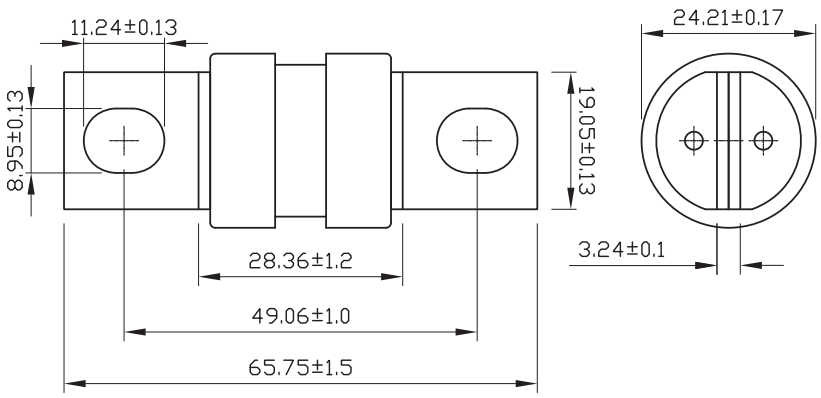
Data Sheets: 720002, 5785310

North American Fuse Links

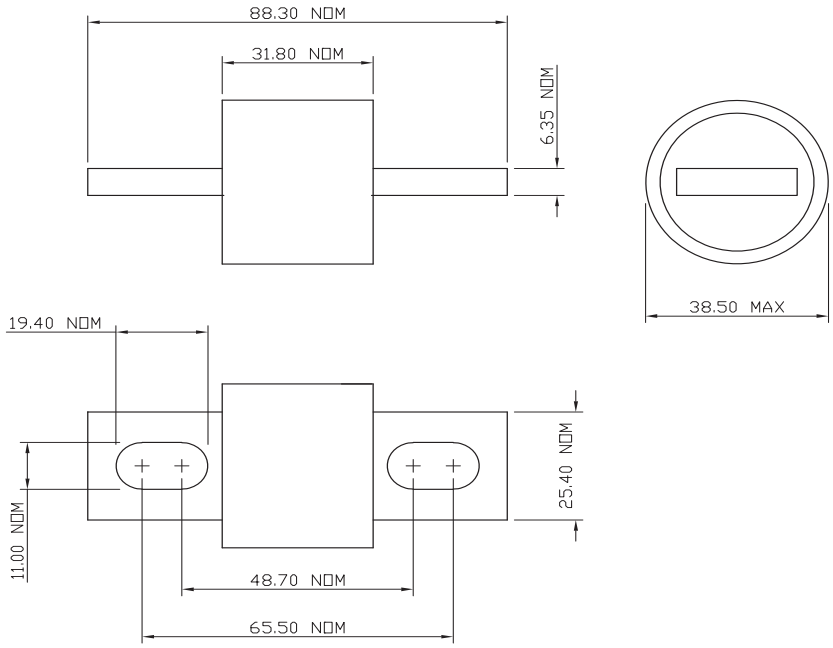
FWA Series
150Vac (UL), 70 to1000A

Dimensions - mm

70-400A



500-1000A



Data Sheets: 720002, 5785310

North American Fuse Links

FWX Series

250Vac (UL), 35 to 2500A



Specifications

Description

North American style bolted tags and flush end high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data

Rated Voltage: 250Vac (UL)
Rated Current: 35-2500A
Breaking Capacity: 200kA RMS Sym.
20kA at 250Vdc (35-800A)

Standards/Agency Information

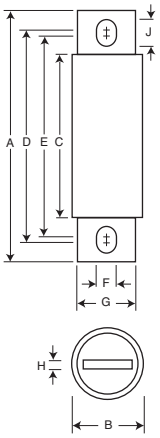
CE, UL Recognised and CSA Component Acceptance on 35-800A fuse links (20kA IR at 250Vdc).

Catalogue Numbers

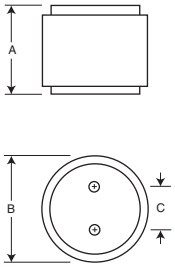
Catalogue Numbers	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
			Pre-Arcing	Clearing at 250Vac	
FWX-35A	250Vac (UL)	35	50	230	4.2
FWX-40A		40	60	310	5.2
FWX-45A		45	80	390	5.7
FWX-50A		50	100	520	6
FWX-60A		60	140	740	8.1
FWX-70A		70	330	1400	7.2
FWX-80A		80	430	1850	8.1
FWX-90A		90	570	2450	9
FWX-100A		100	740	3150	10
FWX-125A		125	1130	4850	12.5
FWX-150A		150	1620	6950	15.7
FWX-175A		175	2170	9300	18.5
FWX-200A		200	2790	12,000	22
FWX-225A		225	3210	14,700	24
FWX-250A		250	3960	18,100	27
FWX-275A		275	4720	21,600	31
FWX-300A		300	6000	27,300	32
FWX-350A		350	10,600	48,600	39
FWX-400A		400	14,500	66,100	44
FWX-450A		450	22,100	101,000	49
FWX-500A		500	28,000	128,000	54
FWX 600A		600	41,100	188,000	62
FWX-700A		700	48,800	190,000	72
FWX-800A		800	59,000	230,000	84
FWX-1000AH		1000	44,000	360,000	100
FWX-1200AH		1200	92,000	750,000	103
FWX-1500AH		1500	120,000	880,000	140
FWX-1600AH		1600	160,000	1,200,000	140
FWX-2000AH		2000	320,000	2,300,000	151
FWX-2500AH		2500	670,000	4,700,000	163

Dimensions - in

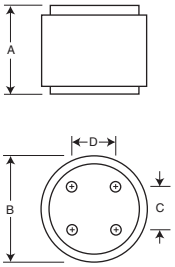
35-800A



1000-1200A



1500-2500A



Amp Range	A	B	C	D	E	F	G	H	J	Tapped Thread Depth
35-60	3.19	0.81	1.59	2.59	2.25	0.34	0.63	0.13	0.52	-
70-200	3.13	1.22	1.59	2.44	2.19	0.34	1	0.19	0.47	-
225-600	3.84	1.5	1.59	2.94	2.25	0.41	1	0.25	0.75	-
700-800	3.84	2	1.59	3.03	2.28	0.41	1.5	0.25	0.78	-
1000-1200	2.59	3	1.5	-	-	-	-	-	-	$^3/_8$"-24 x $^1/_2$"UNF
1500-2500	2.59	3.5	1.5	1.5	-	-	-	-	-	
1mm = 0.0394" / 1" = 25.4mm										

Data Sheets: 720005, 359 (35-800A), 5785299 (100-2500A)

North American Fuse Links

FWH Series

500Vac (UL), 35 to 1600A



Specifications

Description

North American style bolted tags high speed fuse links, for the protection of DC common bus, power converters/rectifiers and reduced voltage starters.

Technical Data

Rated Voltage: 500Vac (UL)
Rated Current: 35-1600A
Breaking Capacity: 200kA RMS Sym.
50kA at 500Vdc

Standards/Agency Information

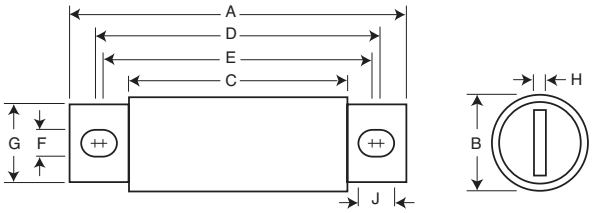
CE, UL Recognised and CSA Component Acceptance on 35-800A only (50kA IR at 500Vdc). UL Recognised on 35-1200A only, CSA Component Acceptance: 35-1600A.

Catalogue Numbers

Catalogue Numbers	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
			Pre-Arcing	Clearing at 250Vac	
FWH-35B	500Vac (UL)	35	34	150	8
FWH-40B		40	76	320	7.5
FWH-45B		45	105	450	7.5
FWH-50B		50	135	670	7.5
FWH-60B		60	210	900	9.9
FWH-70B		70	210	900	10.6
FWH-80B		80	305	1400	12.7
FWH-90B		90	360	1600	15
FWH-100B		100	475	2000	17
FWH-125B		125	800	3500	25
FWH-150B		150	1100	4600	30
FWH-175B		175	1450	6200	35
FWH-200B		200	1900	8500	40
FWH-225A		225	4600	23,300	39
FWH-250A		250	6300	32,200	41
FWH-275A		275	7900	40,300	46
FWH-300A		300	9800	49,800	51
FWH-325A		325	13,700	63,800	53
FWH-350A		350	14,500	72,900	58
FWH-400A		400	19,200	96,700	65
FWH-450A		450	24,700	127,000	74
FWH-500A		500	29,200	149,000	84
FWH-600A		600	41,300	206,000	108
FWH-700A		700	55,000	298,000	120
FWH-800A		800	76,200	409,000	129
FWH-1000A		1000	92,000	450,000	145
FWH-1200A		1200	122,000	600,000	180
FWH-1400A		1400	200,000	1,000,000	210
FWH-1600A		1600	290,000	1,400,000	230

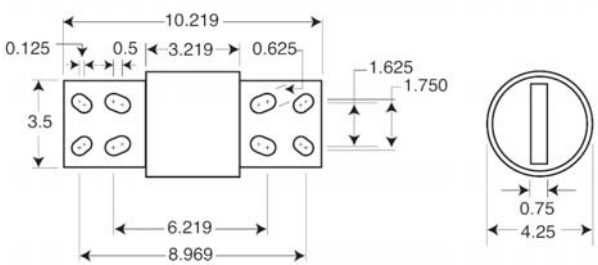
Dimensions - in

35-1200A



Amp Range	A	B	C	D	E	F	G	H	J
35-60	3.19	0.81	1.59	2.54	2.19	0.34	0.72	0.13	0.52
70-100	3.62	0.95	1.74	2.85	2.81	0.35	0.75	0.13	0.38
125-200	3.62	1.16	1.84	2.89	2.77	0.34	1	0.19	0.41
225-400	4.34	1.5	2.09	3.44	2.75	0.41	1	0.25	0.75
450-600	14.34	2	2.09	3.53	2.78	0.41	1.5	0.25	0.78
700-800	6.34	2.5	2.09	4.97	3.44	0.53	2	0.38	1.30
1000-1200	6.97	3	3.22	5.47	4.48	0.62	2.38	0.44	1.12
1400-1600	refer to drawing								
1mm = 0.0394" / 1" = 25.4mm									

1400-1600A - in



Data Sheets: 720007, 360 (225-800A), 5785304 (35-200A, 1000-1600A)

North American Fuse Links

KAC Series

600Vac (UL), 1 to 1000A



Specifications

Description

North American style bolted tags high speed fuse links. These fuse links are supplied as replacements only. For new installations, Bussmann recommends the 700V FWP Series see pages 14-15.

Technical Data

Rated Voltage: 600Vac (UL)
Rated Curent: 1-1000A
Breaking Capacity: 200kA RMS Sym.

Standards/Agency Information

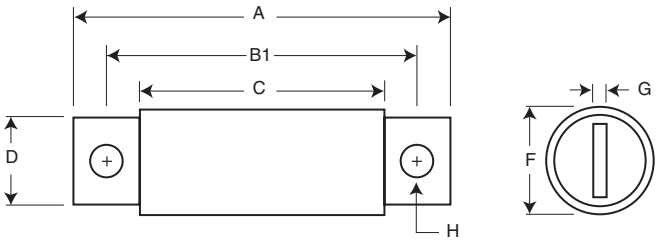
CE, UL Recognised on 1-600A only.

Catalogue Numbers

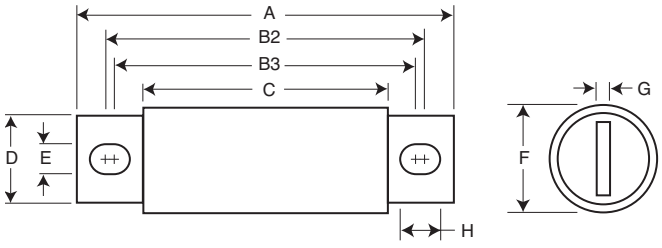
Catalogue Numbers	Rated Voltage	Rated Current (Amps)
KAC-1	600Vac (UL)	1
KAC-2		2
KAC-3		3
KAC-4		4
KAC-5		5
KAC-6		6
KAC-7		7
KAC-8		8
KAC-9		9
KAC-10		10
KAC-12		12
KAC-15		15
KAC-17.5		17.5
KAC-20		20
KAC-25		25
KAC-30		30
KAC-35		35
KAC-40		40
KAC-45		45
KAC-50		50
KAC-60		60
KAC-70		70
KAC-80		80
KAC-90		90
KAC-100		100
KAC-110		110
KAC-125		125
KAC-150		150
KAC-175		175
KAC-200		200
KAC-225		225
KAC-250		250
KAC-300		300
KAC-350		350
KAC-400		400
KAC-450		450
KAC-500		500
KAC-600		600
KAC-700		700
KAC-800		800
KAC-1000		1000

Dimensions - in

1-30 and 450-1000A



35-400A



Rated Current (Amps)	A	B1	B2	B3	C	D	E	F	G	H
1-30	2.88	2.5	-	-	1.88	0.41	-	0.56	0.06	0.26
35-60	4.38	-	3.75	3.50	2.75	0.63	0.34	0.81	0.09	0.47
70-100	5	-	4.06	3.66	2.75	0.75	0.41	1	0.13	0.61
110-200	5.14	-	4.39	3.77	2.91	1	0.41	1.5	0.19	0.72
225-400	6.18	-	4.82	4.57	3	1.63	0.56	2	0.25	0.69
450-800	6.25	4.75	-		3.06	2	-	2.5	0.25	0.56
1000	7.25	4.75	-		3.06	2.75	-	3.5	0.38	0.56
1mm = 0.0394" / 1" = 25.4mm										

Data Sheet: 720009

North American Fuse Links

KBC Series

600Vac (UL), 35 to 800A



Specifications

Description
North American style bolted tags and flush-end high speed fuse links. These fuse links are supplied as replacements only. For new installations, Bussmann recommends the 700V FWP series fuse links, see pages 14-15.

Technical Data
Rated Voltage: 600Vac (UL)
Rated Current: 35-800A
Breaking Capacity: 200kA RMS Sym.

Standards/Agency Information
CE, UL Recognised 35-600A only.

Catalogue Numbers

Catalogue Numbers	Rated Voltage	Rated Current (Amps)
KBC-35	600Vac (UL)	35
KBC-40		40
KBC-45		45
KBC-50		50
KBC-60		60
KBC-70		70
KBC-80		80
KBC-90		90
KBC-100		100
KBC-110		110
KBC-125		125
KBC-150		150
KBC-175		175
KBC-200		200
KBC-225		225
KBC-250		250
KBC-300		300
KBC-350		350
KBC-400		400
KBC-450		450
KBC-500		500
KBC-600		600
KBC-800		800

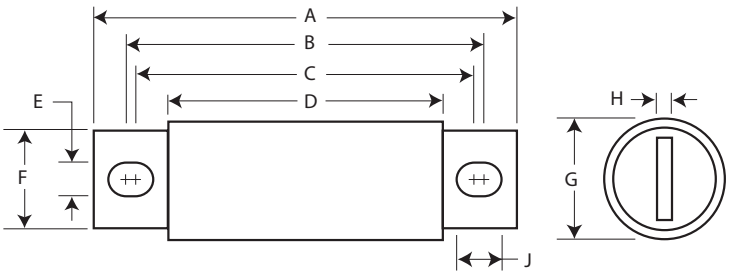
North American Fuse Links

KBC Series

600Vac (UL), 35 to 800A

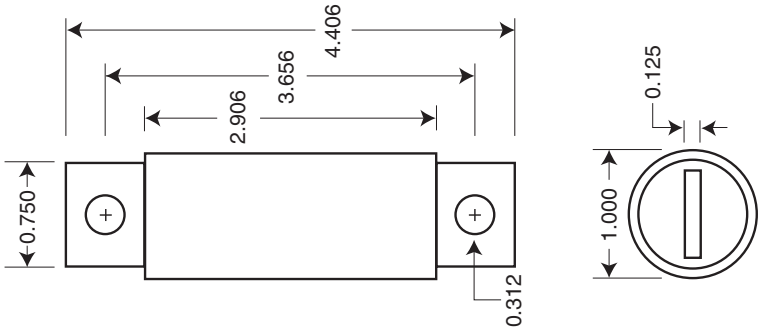
Dimensions - in

35-60 & 110-600A

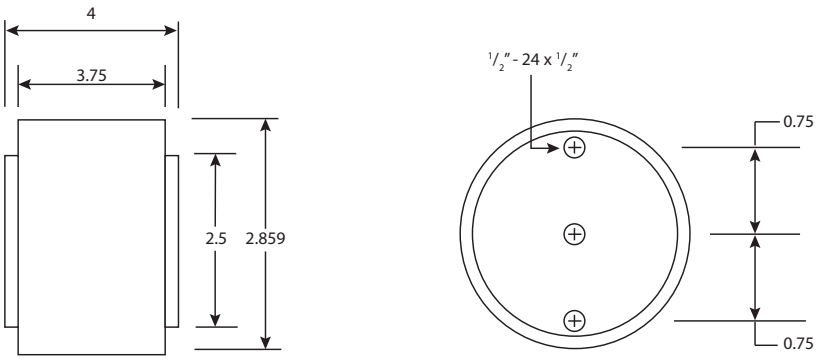


Rated Current (Amps)	A	B	C	D	E	F	G	H	J
35-60	4.38	3.75	3.50	2.75	0.34	0.63	0.81	0.09	0.47
70-100	Refer to drawing								
110-200	4.41	3.72	3.59	2.91	0.31	0.88	1.22	0.19	0.38
225-400	5.13	4.19	3.56	2.91	0.41	1	1.5	0.25	0.72
450-600	5.13	4.39	3.69	2.88	0.41	1.5	2	0.25	0.76
800	Refer to drawing								
1mm = 0.0394" / 1" = 25.4mm									

70-100A



800A



Data Sheet: 720010

North American Fuse Links

FWP Series

700Vac (UL), 5 to 1200A



Specifications

Description

North American style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers, reduced voltage starters.

Technical Data

Rated Voltage: 700Vac (UL)
Rated Current: 5-1200A
Breaking Capacity: 200kA RMS Sym.
50kA at 700Vdc

Standards/Agency Information

CE, UL Recognised on 5-800A only.

Catalogue Numbers

Catalogue Numbers	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
			Pre-Arcing	Clearing at 700Vac	
FWP-5B	700Vac (UL)	5	1.6	11	1.5
FWP-10B		10	3.6	22	4
FWP-15B		15	10	70	5.5
FWP-20B		20	26	180	6
FWP-25B		25	44	320	7
FWP-30B		30	58	450	9
FWP-35B		35	34	160	12
FWP-40B		40	76	320	12
FWP-50B		50	135	600	12
FWP-60B		60	210	950	15.5
FWP-70B		70	305	2000	18
FWP-80B		80	360	2400	21
FWP-90B		90	415	2700	25
FWP-100B		100	540	3500	27
FWP-125A		125	1800	7300	28
FWP-150A		150	2900	11,700	32
FWP-175A		175	4200	16,700	35
FWP-200A		200	5500	22,000	43
FWP-225A		225	7700	31,300	45
FWP-250A		250	10,500	42,500	48
FWP-300A		300	17,600	71,200	58
FWP-350A		350	23,700	95,600	65
FWP-400A		400	31,000	125,000	78
FWP-450A		450	36,400	137,000	94
FWP-500A		500	45,200	170,000	107
FWP-600A		600	66,700	250,000	122
FWP-700A		700	54,000	300,000	125
FWP-800A		800	78,000	450,000	140
FWP-900A		900	91,500	530,000	150
FWP-1000A		1000	120,000	600,000	170
FWP-1200A		1200	195,000	1,100,000	190

Data Sheets: 720012, 5785316 (5-30A), 361 (125-600A), 5785308 (35-100A, 700-1200A)

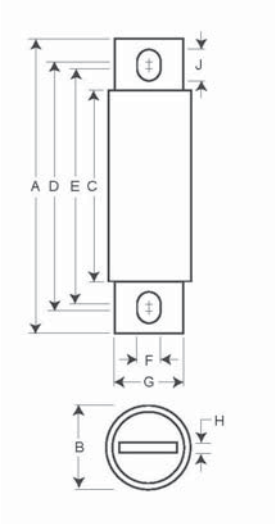
North American Fuse Links

FWP Series

700Vac (UL), 5 to 1200A

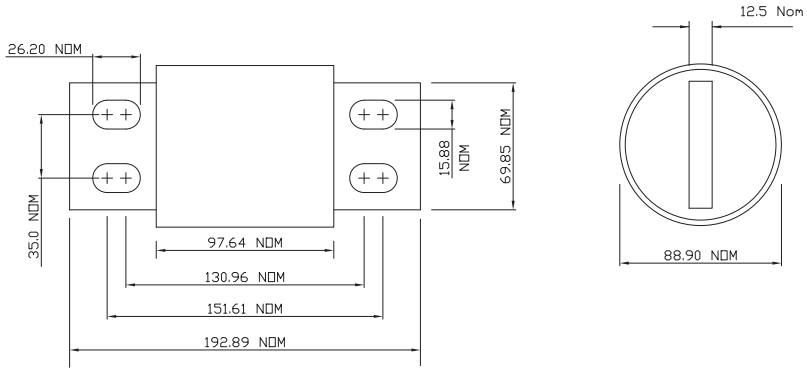
Dimensions

5-800A - in

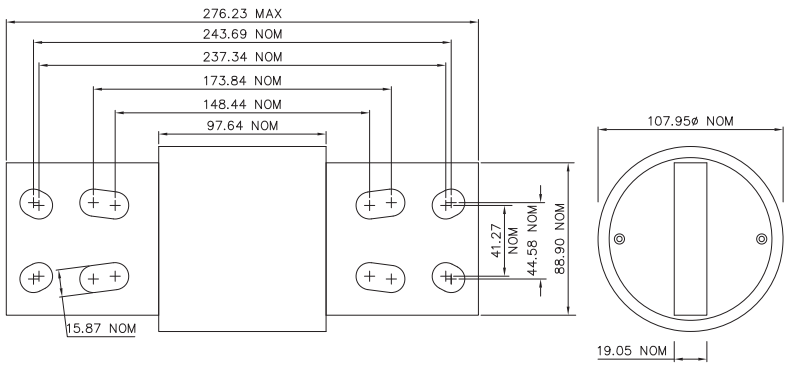


Amp Range	A	B	C	D	E	F	G	H	J
5-30	2.87	0.56	1.86	2.48	2.48	0.25	0.41	0.06	0.25
35-60	4.38	0.81	2.75	3.71	3.31	0.34	0.73	0.13	0.54
70-100	4.41	0.95	2.59	3.63	3.56	0.34	0.75	0.13	0.38
125-200	5.09	1.5	2.84	4.19	3.5	0.41	1	0.25	0.75
225-400	5.09	2	2.84	4.28	3.53	0.41	1.5	0.25	0.78
450-600	7.09	2.5	2.84	5.72	4.19	0.53	2	0.38	1.3
700-800	6.63	2	2.76	5.56	5.06	0.63	1.5	0.25	0.88
900-1000	Refer to drawing								
1200	Refer to drawing								
1mm = 0.0394" / 1" = 25.4mm									

900-1000A - mm



1200A - mm



Data Sheets: 720012, 5785316 (5-30A), 361 (125-600A), 5785308 (35-100A, 700-1200A)

North American Fuse Links

FWJ Series
1000Vac (UL), 35 to 2000A



Specifications

Description
North American style bolted tags high speed fuse links for the protection of DC common bus, DC drives power converters/rectifiers, reduced voltage starters.

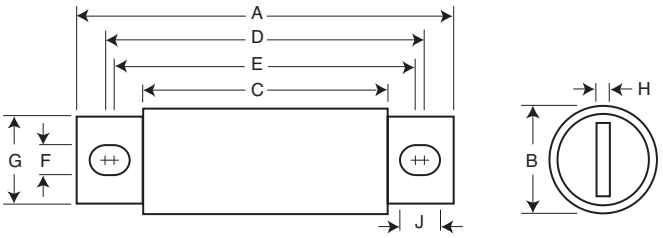
Technical Data
Rated Voltage: 1000Vac (UL)
Rated Current: 35-2000A
Breaking Capacity: 25kA RMS Sym. (35-200A)
100kA RMS Sym. (250-2000A)
50kA at 800Vdc (35-200A and 450-600A)

Standards/Agency Information
CE, UL Recognised on 35-600A only.

Catalogue Numbers

Catalogue Numbers	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
			Pre-Arcing	Clearing at 1000Vac	
FWJ-35A	1000Vac (UL)	35	210	2000	7
FWJ-40A		40	300	2500	8
FWJ-50A		50	470	3500	10
FWJ-60A		60	670	5000	11
FWJ-70A		70	1100	6900	12
FWJ-80A		80	1550	9700	13
FWJ-90A		90	1900	12,000	14
FWJ-100A		100	2800	17,500	15
FWJ-125A		125	4800	35,000	16
FWJ-150A		150	6300	45,000	25
FWJ-175A		175	7500	65,000	30
FWJ-200A		200	11,700	80,000	32
FWJ-250A		250	16,000	112,000	50
FWJ-300A		300	23,500	164,000	56
FWJ-350A		350	33,000	231,000	62
FWJ-400A		400	47,000	330,000	67
FWJ-500A		500	39,500	329,000	95
FWJ-600A		600	61,000	520,000	105
FWJ-800A		800	87,000	500,000	182
FWJ-1000A		1000	190,000	1,100,000	206
FWJ-1200A		1200	370,000	2,100,000	240
FWJ-1400A		1400	470,000	2,700,000	248
FWJ-1600A		1600	700,000	4,000,000	267
FWJ-1800A		1800	925,000	5,300,000	239
FWJ-2000A		2000	1,330,000	7,600,000	244

Dimensions - in



Amp Range	A	B	C	D	E	F	G	H	J
35-60	5	0.94	3.11	4.24	4.18	0.35	0.75	0.13	0.38
70-100	4.93	1.13	3.09	4.27	4.16	0.35	1	0.19	0.41
125-200	5.69	1.53	3.26	4.80	4.06	0.45	1	0.25	0.82
250-400	5.77	2	3.5	4.81	4.15	0.43	1.5	0.25	0.76
500-600	7.2	2.5	3.47	5.98	4.71	0.56	2	0.38	1.2
800-2000	6.81	3.5	3.31	5.47	4.96	0.63	2.75	0.5	0.88
1mm = 0.0394” / 1” = 25.4mm									

Data Sheets: 720027, 5785303 (35-600A), 5785309 (800-2000A)

British Standard BS88 Fuse Links

LCT, LET Series

240Vac/150Vdc (IEC), 250-280Vac/150Vdc (UL), 6 to 180A



Specifications

Description
BS88 style bolted tags fuse high speed links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters. Low watts loss in a compact size.

Technical Data
Rated Voltage: LCT 240Vac/150Vdc (IEC); 250Vac/150Vdc (UL)
LET 280Vac/150Vdc (UL, 25-160A)
250Vac/150Vdc (UL 180A)
Rated Current: 6-180A
Breaking Capacity: 200kA RMS Sym.
50kA DC at 125Vdc

Operating Class: aR

Standards/Agency Information
CE, designed and tested to BS88 part 4, IEC 60269 Part 4, UL Recognised and CCC (LCT only). All fuse links have been tested at 318Vac. Consult Cooper Bussmann for specific UL Recognition status.

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
				Pre-Arcing	Clearing at 240Vac	
6LCT	LCT	240Vac/ 150Vdc (IEC) 250Vac/ 150Vdc (UL)	6	2	9	1
10LCT			10	3.8	22	2.5
12LCT			12	7	32	2.5
16LCT			16	20	100	2.5
20LCT			20	25	160	4
25LET	LET	280Vac/ 150Vdc (UL)	25	18	250	4
32LET			32	32	450	5
35LET			35	50	600	5
50LET			50	100	1400	7
63LET			63	180	2200	9
80LET			80	300	3800	10
100LET			100	600	7500	10
125LET			125	600	7500	16
160LET			160	1100	16,000	20
180LET		250Vac/ 150Vdc (UL)	180	1600	29,000	21

Note: 7LET, 10LET, 12LET and 16LET are available for replacement purposes on existing equipment.

Data Sheets: 720004, 5785296 (LCT), 5785293 (LET)

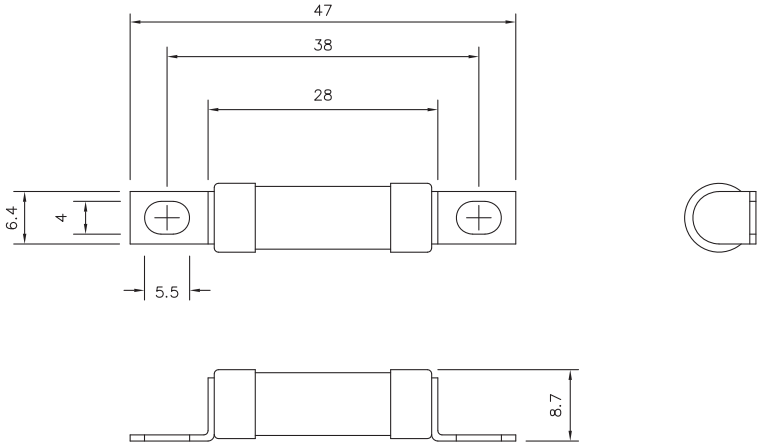
British Standard BS88 Fuse Links

LCT, LET Series

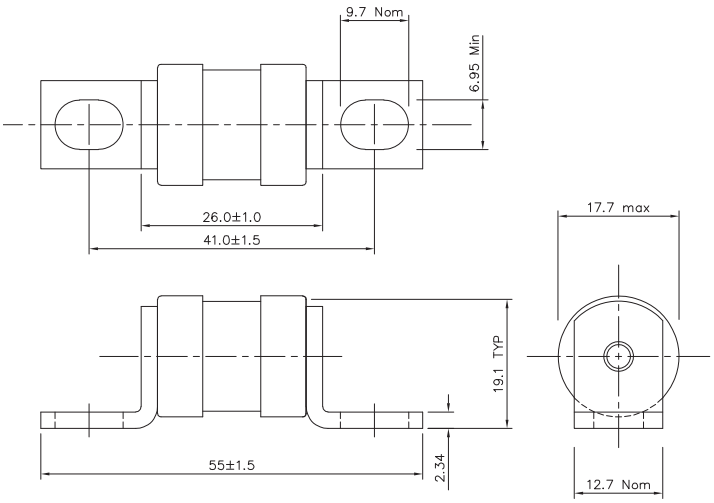
240Vac/150Vdc (IEC), 250-280Vac/150Vdc (UL), 6 to 180A

Dimensions - mm

LCT



LET



Indicator (optional)

Data Sheets: 720004, 5785296 (LCT), 5785293 (LET)

British Standard BS88 Fuse Links

LMT, LMMT Series

240Vac/150Vdc (IEC), 250Vac/150Vdc (UL), 160 to 900A



Specifications

Description
BS88 style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters. Low watts loss in a compact size.

Technical Data
Rated Voltage: 240Vac/150Vdc (IEC); 250Vac/150Vdc (UL)
Rated Current: 160-900A
Breaking Capacity: 200kA RMS Sym., 40kA at 150Vdc (IEC)
200kA RMS Sym., 50kA at 150Vdc (UL)

Operating Class: aR

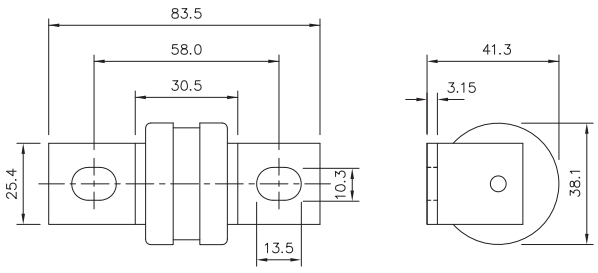
Standards/Agency Information
CE, designed and tested to BS88 part 4, IEC 60269 Part 4, UL Recognised and CCC. All fuse links have been tested at 318Vac. Consult Cooper Bussmann for specific UL Recognition status.

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)			Watts Loss (W)
				Pre-Arcing	Clearing at 120Vac	Clearing at 240Vac	
160LMT	LMT	240Vac/ 150Vdc (IEC) 250Vac/ 150Vdc (UL)	160	1100	7000	16,000	17
200LMT			200	1500	10,000	20,000	28
250LMT			250	3200	20,000	40,000	28
315LMT			315	6000	35,000	75,000	35
355LMT			355	8000	50,000	100,000	35
400LMT			400	14,000	70,000	160,000	40
450LMT			450	18,000	100,000	220,000	42
400LMMT	LMMT		400	6000	35,000	80,000	60
500LMMT			500	14,000	80,000	170,000	64
630LMMT			630	24,000	150,000	300,000	75
710LMMT			710	32,000	200,000	460,000	77
800LMMT			800	52,000	300,000	600,000	82
900LMMT			900	75,000	400,000	800,000	97

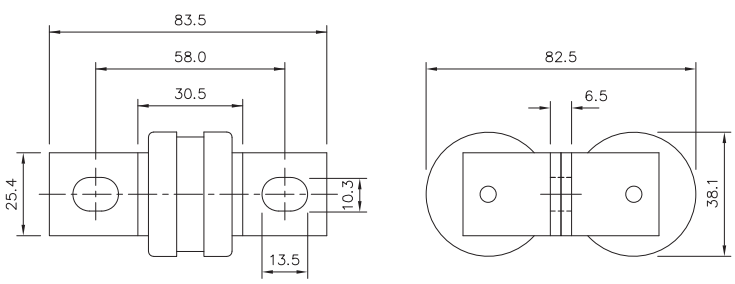
Dimensions - mm

LMT



Indicator (optional)

LMMT



Indicator (optional)

Data Sheets: 720004, 5785294 (LMT), 5785295 (LMMT)

British Standard BS88 Fuse Links

CT, ET, FE, EET, FEE Series
690Vac/500Vdc (IEC), 700Vac/500Vdc (UL), 6 to 200A

Specifications



Description
BS88 style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

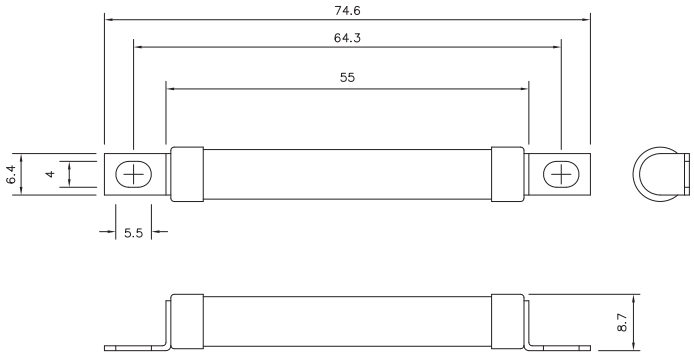
Technical Data
Rated Voltage: 690Vac/500Vdc (IEC); 700Vac/500Vdc (UL)
Rated Current: 6-200A
Breaking Capacity:
CT: 90kA RMS Sym., 40kA at 500 Vdc (IEC)
200kA RMS Sym., 50kA at 500 Vdc (UL)
ET, EET, FE and FEE: 200kA RMS Sym.,50kA at 500 Vdc

Operating Class: aR

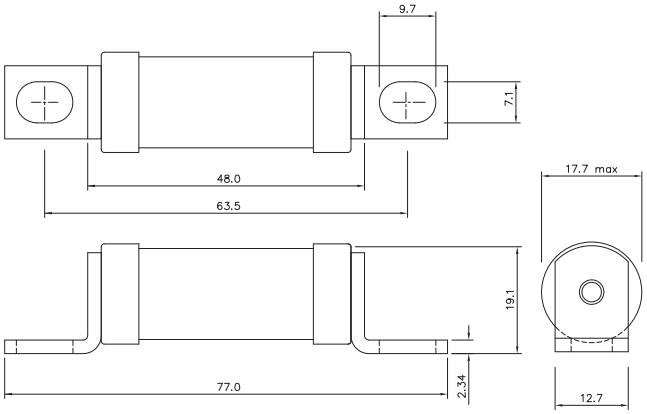
Standards/Agency Information
CE, designed and tested to BS88 part 4, IEC 60269 Part 4, Consult Cooper Bussmann for specific UL Recognition status. CCC for ET, FE, EET, FEE.

Dimensions - mm

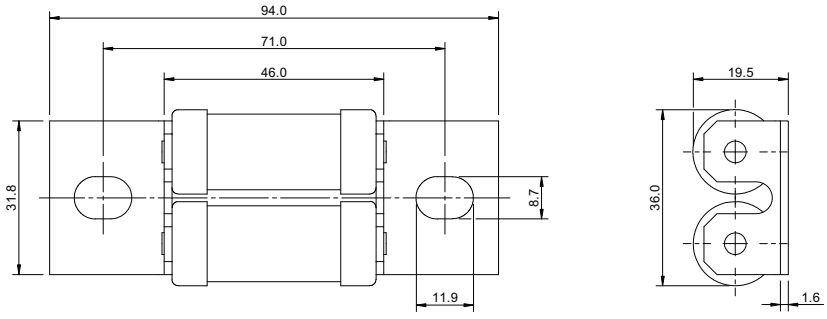
CT



ET, FE



EET, FEE



Data Sheets: 5785312 (CT, ET), 5785314 (FE), 5785313 (EET), 5785292 (FEE)

British Standard BS88 Fuse Links

CT, ET, FE, EET, FEE Series

690Vac/500Vdc (IEC), 700Vac/500Vdc (UL), 6 to 200A

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)			Watts Loss (W)
				Pre-Arcing	Clearing at 415Vac	Clearing at 660Vac	
6CT	CT	690Vac/ 500Vdc (IEC) 700Vac/ 500Vdc (UL)	6	1.8	8.5	12	2
10CT			10	7	30	48	3
12CT			12	10	40	65	3
16CT			16	16	66	110	7
20CT			20	32	150	220	7
25ET	ET		25	25	150	250	7
32ET			32	32	190	350	11
35ET			35	52	310	500	11
40ET			40	103	600	900	9
45ET			45	103	680	1100	11
56ET			56	135	950	1500	14
63ET			63	171	1200	2000	16
80ET			80	360	2500	4000	18
35FE	FE		35	33	130	200	9
40FE			40	52	180	300	9
45FE			45	76	270	450	11
50FE			50	103	380	600	11
63FE			63	135	480	750	12
71FE			71	210	600	950	17
80FE			80	250	900	1500	20
90FE			90	360	1300	2100	20
100FE			100	470	1800	2800	23
90EET	EET		90	490	300	4500	19
110EET			110	600	4000	6500	27
140EET			140	1050	7000	12,000	35
160EET			160	1500	10,000	17,000	39
100FEE	FEE		100	400	1600	2400	24
120FEE			120	540	1900	3100	32
140FEE			140	850	2500	3800	36
160FEE			160	1000	3700	5700	46
180FEE			180	1400	5300	8400	46
200FEE			200	1900	7100	11,400	52

Note: FC, 8ET, 12ET, 15ET, 20ET, 65EET and 75EET are available for replacement purposes on existings equipment.

Data Sheets: 5785312 (CT, ET), 5785314 (FE), 5785313 (EET), 5785292 (FEE)

British Standard BS88 Fuse Links

FM, FMM, MT, MMT Series

690Vac/350-450Vdc (IEC), 700Vac/500Vdc (UL), 160 to 710A



Specifications

Description
BS88 style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data

Rated Voltage:	FM: 690Vac/450Vdc (IEC); 700Vac/500Vdc (UL)
	FMM: 690Vac/450Vdc (IEC); 700Vac (UL)
	MT and MMT: 690Vac/350Vdc (IEC); 700Vac (UL)
Rated Current:	160-710A

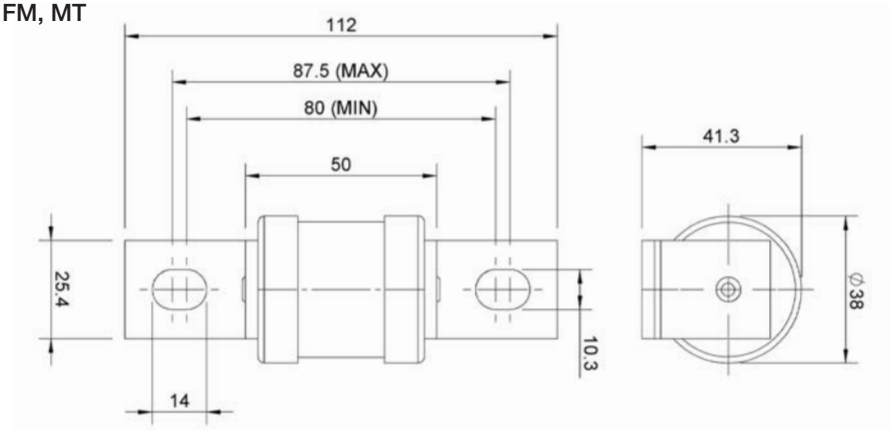
Breaking Capacity:
FM: 200kA RMS Sym. (IEC/UL), 40kA at 450Vdc (IEC), 50kA at 500Vdc (UL)
FMM: 200kA RMS Sym. (IEC/UL), 40kA at 450Vdc (IEC)
MT & MMT: 200kA RMS Sym. (IEC/UL), 40kA at 350Vdc (IEC)

Operating Class: aR

Standards/Agency Information
CE, designed and tested to BS88 part 4, IEC 60269 Part 4, UL Recognised. MT and MMT 350Vdc (IEC) rating. Consult Cooper Bussmann for specific UL Recognition status. CCC for FM and FMM.

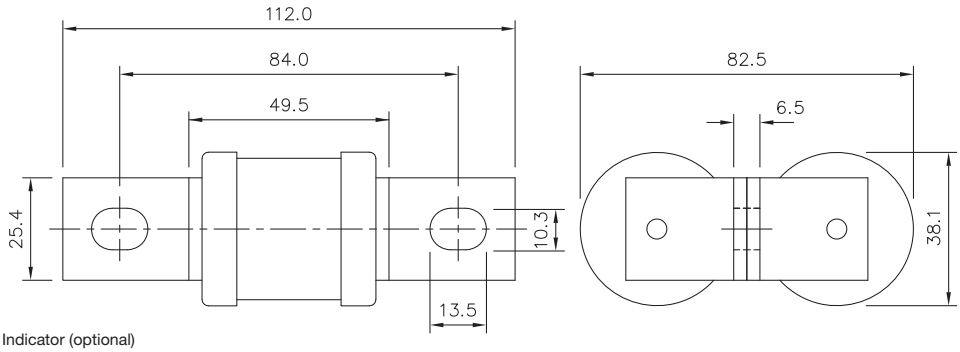
Dimensions - mm

FM, MT



Indicator (optional)

FMM, MMT



Indicator (optional)

Data Sheets: 5785314 (FM), 5785313 (MT), 5785292 (FMM), 5785311 (MMT)

British Standard BS88 Fuse Links

FM, FMM, MT, MMT Series

690Vac/350-450Vdc (IEC), 700Vac/500Vdc (UL), 160 to 710A

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)			Watts Loss (W)
				Pre-Arcing	Clearing at 415Vac	Clearing at 660Vac	
180FM	FM	690Vac/ 450Vdc (IEC) 700Vac/ 500Vdc (UL)	180	1400	7500	13,500	40
200FM			200	2600	10,500	18,500	40
225FM			225	3700	14,500	26,500	44
250FM			250	5200	20,500	37,500	48
280FM			280	7000	30,500	55,000	48
315FM			315	10,000	40,000	77,000	55
350FM			350	15,000	60,000	105,000	55
400FMM	FMM	690Vac/ 450Vdc (IEC) 700Vac (UL)	400	10,000	40,000	72,500	85
450FMM			450	15,000	60,000	105,000	90
500FMM			500	20,000	82,000	150,000	100
550FMM			550	30,000	120,000	215,000	100
630FMM			630	45,000	180,000	310,000	100
700FMM			700	60,000	245,000	420,000	120
160MT	MT	690Vac/ 350Vdc (IEC) 700Vac (UL)	160	2400	15,000	25,000	26
180MT			180	3800	25,000	38,000	26
200MT			200	6000	40,000	58,000	27
250MT			250	11,500	80,000	110,000	32
280MT			280	16,500	100,000	150,000	35
315MT			315	19,000	125,000	180,000	42
355MT			355	22,000	160,000	200,000	51
180MMT	MMT		180	1650	12,000	18,000	42
200MMT			200	2200	16,000	23,000	42
225MMT			225	3700	26,000	40,000	42
280MMT			280	6600	47,000	70,000	47
315MMT			315	8600	62,000	91,000	51
355MMT			355	13,500	97,000	140,000	54
400MMT			400	21,000	150,000	220,000	60
450MMT			450	30,000	220,000	320,000	57
500MMT			500	42,000	300,000	450,000	64
560MMT			560	60,000	430,000	640,000	64
630MMT			630	68,500	500,000	720,000	86
710MMT			710	78,000	600,000	850,000	105

Data Sheets: 5785314 (FM), 5785313 (MT), 5785292 (FMM), 5785311 (MMT)

Ferrule Fuse Links

10x38mm and 21x51mm, FWA Series
150Vac/Vdc (UL), 5 to 60A



Specifications

Description
Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 150Vac/dc (UL)
Rated Current: 5-60A
Breaking Capacity: 200kA RMS Sym., 50kA DC at 150Vdc

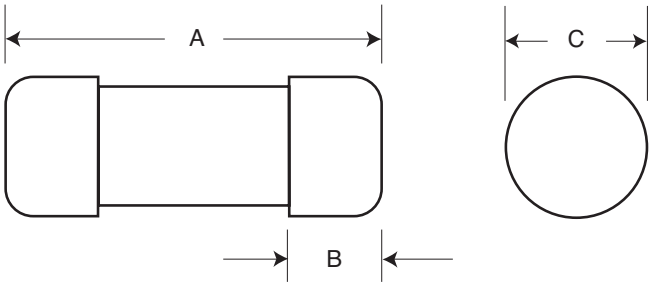
Operating Class: aR

Standards/Agency Information
CE, UL Recognised.

Catalogue Numbers

Catalogue Numbers	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
				Pre-Arcing	Clearing at 150Vac	
FWA-5A10F	10x38mm ($^{13}/_{32}$" x $1^1/_2$")	150Vac/Vdc (UL)	5	1.6	8	2
FWA-10A10F			10	3.6	16	2.7
FWA-15A10F			15	14	50	3.3
FWA-20A10F			20	33	130	3.8
FWA-25A10F			25	58	220	4.9
FWA-30A10F			30	100	400	4.9
FWA-35A21F	21x51mm ($^{13}/_{16}$" x 2")		35	75	800	4.5
FWA-40A21F			40	100	1000	5.1
FWA-45A21F			45	130	1300	6
FWA-50A21F			50	170	1600	7.3
FWA-60A21F			60	250	2400	8

Dimensions - in (mm)



Amp Range	A	B	C
5-30	1.5 (38.1)	0.38 (9.5)	0.41 (10.3)
35-60	2 (50.8)	0.63 (15.9)	0.81 (20.6)

Data Sheets: 720003,5785317 (5-30A), 5785305 (35-60A)

Ferrule Fuse Links

14x51mm, FWX Series
250Vac/Vdc (UL), 1 to 50A



Specifications

Description
Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers voltage starters.

Technical Data
Rated Voltage: 250Vac (UL, all ratings); 250Vdc (UL, 5-50A only)
Rated Current: 1-50A
Breaking Capacity: 200kA RMS Sym. (UL, all ratings), 50kA at 250Vdc (UL, 5-30A only)

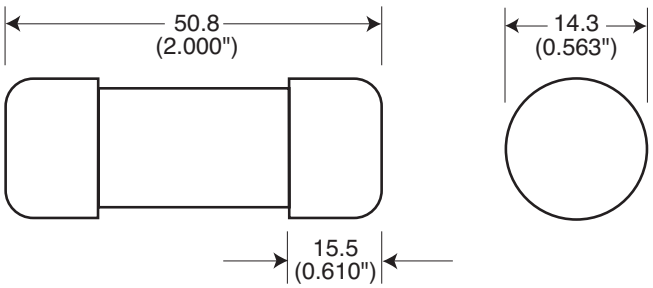
Operating Class: aR

Standards/Agency Information
CE, UL Recognised 1-50A & CSA Component Acceptance: 5-30A.

Catalogue Numbers

Catalogue Numbers	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
				Pre-Arcing	Clearing at 250Vac	
FWX-1A14F	14x51mm (9/16" x 2")	250Vac (UL)	1	0.03	0.4	5.7
FWX-2A14F			2	0.08	0.1	8.6
FWX-3A14F			3	0.11	0.26	2.8
FWX-4A14F			4	0.1	0.23	3
FWX-5A14F		250Vac/Vdc (UL)	5	1.6	13	1.3
FWX-10A14F			10	3.6	24	3.4
FWX-15A14F			15	14	83	3.8
FWX-20A14F			20	33	200	4.6
FWX-25A14F			25	58	300	5.3
FWX-30A14F			30	100	500	5.9
FWX-50A14F			50	200	1800	5.7

Dimensions - mm (in)



Data Sheets: 720006, 5785302

Ferrule Fuse Links

6x32mm, FWH Series
500Vac (UL), 0.25 to 30A

Specifications

Description
Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 500Vac (UL), 600Vdc (UL, 2A and 5A only)
Rated Current: 0.25-30A
Breaking Capacity: 50kA (0.25-20A)
20kA (25-30A)[1]
50kA at 600Vdc (UL 2 and 5A only)

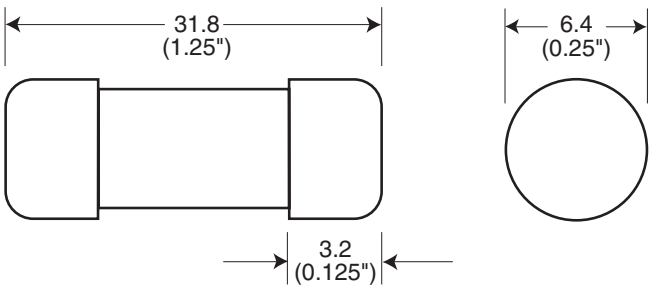
Operating Class: aR

Standards/Agency Information
CE, UL Recognised 0.25-30A including 2A at 1000Vac, CSA Component Acceptance: 0.25-7A.

Catalogue Numbers

Catalogue Numbers	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
				Pre-Arcing	Clearing at 500Vac	
FWH--250A6F	6x32mm (1/4" x 1 1/4")	500Vac (UL)	0.25	0.01	0.05	2.7
FWH--500A6F			0.5	0.05	0.25	1.2
FWH-001A6F			1	0.4	2	1.7
FWH-002A6F		500Vac/600Vdc (UL)	2	1.3	3.5	3.2
FWH-3-15A6F		500Vac (UL)	3.15	3.1	7.7	2.9
FWH-005A6F		500Vac/600Vdc (UL)	5	15	40	2.1
FWH-6-30A6F		500Vac (UL)	6.3	36	90	2.3
FWH-007A6F			7	50	125	2.5
FWH-010A6F			10	9.9	139	2.86
FWH-12-5A6F			12.5	20	60	3.53
FWH-015A6F			15	44	146	3.08
FWH-016A6F			16	48	177	4.48
FWH-020A6F			20	75	259	4.26
FWH-025A6F			25	126	345	-
FWH-030A6F			30	145	430	-

Dimensions - mm (in)



[1] Tested at PF = 76%.

Data Sheets: 720038, 5785256 (0.25-7A), 50955 (10-30A)

Ferrule Fuse Links

14x51mm, FWH Series
500Vac/Vdc (UL), 1 to 30A



Specifications

Description
Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 500Vac (UL, all ratings), 500Vdc (UL, 5-30A only)
Rated Current: 1-30A
Breaking Capacity: 200kA RMS Sym. all ratings, 50kA at 500Vdc 5-30A only

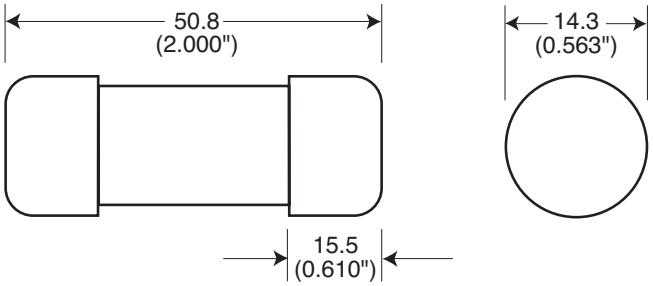
Operating Class: aR

Standards/Agency Information
CE, UL Recognised 1-30A & CSA Component Acceptance: 5-30A.

Catalogue Numbers

Catalogue Numbers	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
				Pre-Arcing	Clearing at 500Vac	
FWH-1A14F	14x51mm (9/16" x 2")	500Vac (UL)	1	0.03	0.4	5.7
FWH-2A14F			2	0.08	0.1	8.6
FWH-3A14F			3	0.11	0.26	2.8
FWH-4A14F			4	0.1	0.23	3
FWH-5A14F		500Vac/Vdc (UL)	5	1.6	6.4	1.5
FWH-6A14F			6	1.6	6.4	1.5
FWH-10A14F			10	3.6	13	4
FWH-12A14F			12	6.5	25	4.3
FWH-15A14F			15	10.4	40	5.5
FWH-20A14F			20	26	105	6
FWH-25A14F			25	46.5	191	7
FWH-30A14F			30	58	232	9

Dimensions - mm (in)



Data Sheets: 720008, 5785298

Ferrule Fuse Links

10x38mm, FWC Series
600-700Vac/700Vdc (UL), 1 to 32A



Specifications

Description
Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data:
Rated Voltage: 700Vac/dc (UL, 1-4A)
600Vac (UL, 6-32A), 700Vdc (UL, 6-25A)
Rated Current: 1-32A
Breaking Capacity:
200kA RMS Sym. at 600Vac (6-32A)
200kA RMS Sym. at 700Vac (1-4A)
10kA DC at 700Vdc (1-25A)

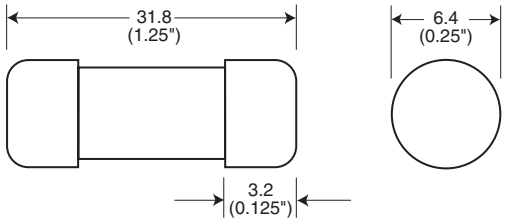
Operating Class: aR

Standards/Agency Information
CE, UL Recognised: 6-32A.

Catalogue Numbers

Catalogue Numbers	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
				Pre-Arcing	Clearing at 600Vac	
FWC-1A10F	10x38mm ($^{13}/_{32}$" x $1^{1}/_{2}$")	700Vac/Vdc (UL)	1	0.2	1.2	0.5
FWC-2A10F			2	0.5	3	1.2
FWC-3A10F			3	1.6	11	1.5
FWC-4A10F			4	5.2	32	1.5
FWC-6A10F		600Vac/ 700Vdc (UL)	6	4	30	1.5
FWC-8A10F			8	6	50	2
FWC-10A10F			10	9	70	2.5
FWC-12A10F			12	15	120	3
FWC-16A10F			16	25	150	3.5
FWC-20A10F			20	34	260	4.8
FWC-25A10F			25	60	390	6
FWC-32A10F		600Vac (UL)	32	85	600	7.5

Dimensions - mm (in)



Data Sheets: 720011, 5785306

Ferrule Fuse Links

14x51mm, FWP Series

690Vac (IEC), 700Vac (UL), 600-800Vdc (UL), 1 to 50A



Specifications

Description:
Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters. Available with or without striker.

Technical Data:
Rated Voltage: Without striker: see table
With striker: 700Vac/600Vdc (UL)
Rated Current: 1-50A
Breaking Capacity: 200kA RMS Sym., 50kA at 800Vdc (5-50A non striker version), 600Vdc for striker version.

Operating Class: aR

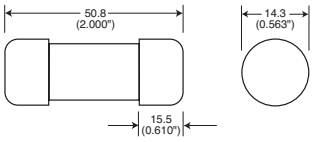
Standards/Agency Information
CE, UL Recognised 1-30A & CSA Component Acceptance for versions without striker only.

Catalogue Numbers

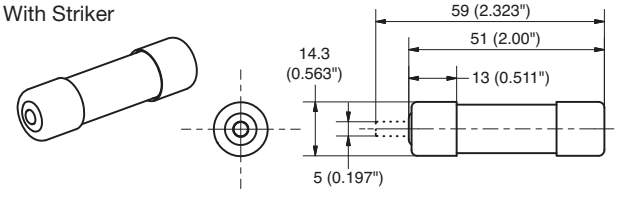
Catalogue Numbers	Fuse Link Type	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
					Pre-Arcing	Clearing at 700Vac	
FWP-1A14F	Without Striker	14x51mm (9/16" x 2")	700Vac (UL)	1	0.035	0.41	5.7
FWP-2A14F				2	0.08	0.11	8.7
FWP-3A14F				3	0.11	0.26	2.8
FWP-4A14F				4	0.1	0.23	3
FWP-5A14F			690Vac (IEC) 700Vac/ 800Vdc (UL)	5	1.6	11	1.5
FWP-10A14F				10	3.6	22	4
FWP-15A14F				15	10.4	70	5.5
FWP-20A14F				20	26	180	6
FWP-25A14F				25	46.5	320	7
FWP-30A14F				30	58	400	9
FWP-32A14F				32	68	600	7.6
FWP-40A14F				40	84	750	8
FWP-50A14F				50	200	1800	9
FWP-10A14FI	With Striker	14x51mm (9/16" x 2")	700Vac/ 600Vdc (UL)	10	3.6	38.5	4
FWP-15A14FI				15	8.6	70	5.5
FWP-20A14FI				20	26	230	6
FWP-25A14FI				25	46.5	375	7
FWP-30A14FI				30	58	485	9
FWP-32A14FI				32	68	600	7.6
FWP-40A14FI				40	84	750	8
FWP-50A14FI				50	200	1800	9

Dimensions - mm (in)

Without Striker



With Striker



Data Sheets: 720025, 5781724

Ferrule Fuse Links

22x58mm, FWP Series
700Vac/500Vdc (UL), 20 to 100A



Specifications

Description
Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters. Available with or without striker.

Technical Data
Rated Voltage: 700Vac, 500Vdc (UL)
Rated Current: 20-100A
Breaking Capacity: 200kA RMS Sym., 50kA at 500Vdc

Operating Class: aR

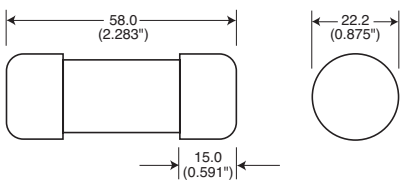
Standards/Agency Information
CE, UL Recognised, CSA Component Acceptance for versions without striker only.

Catalogue Numbers

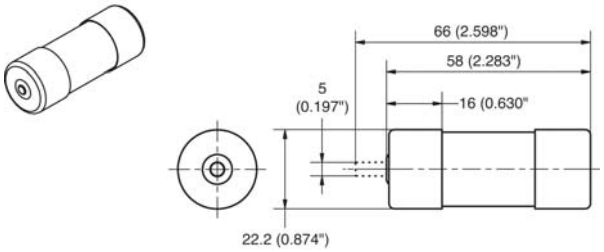
Catalogue Numbers	Fuse Link Type	Fuse Link Size	Rated Voltage)	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
					Pre-Arcing	Clearing at 700Vac	
FWP-20A22F	Without Striker	22x58mm (7/8" x 29/32")	700Vac/ 500Vdc (UL)	20	19	260	5
FWP-25A22F				25	34	410	6
FWP-32A22F				32	53.5	605	8
FWP-40A22F				40	68	750	9
FWP-50A22F				50	135	1600	9.5
FWP-63A22F				63	280	3080	11
FWP-80A22F				80	600	6600	13.5
FWP-100A22F				100	1100	12,500	16
FWP-20A22FI	With Striker	22x58mm (7/8" x 29/32")		20	19	260	5
FWP-25A22FI				25	34	410	6
FWP-32A22FI				32	53.5	605	8
FWP-40A22FI				40	68	750	9
FWP-50A22FI				50	135	1600	9.5
FWP-63A22FI				63	280	3080	11
FWP-80A22FI				80	600	6600	13.5
FWP-100A22FI				100	1100	12,500	16

Dimensions - mm (in)

Without Striker



With Striker



Data Sheets: 720026, 5781723

Ferrule Fuse Links

20x127mm and 25x146mm, FWK Series
750-1000Vdc (IEC), 5 to 60A



Specifications

Description
Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 1000Vdc (IEC, 5-10A)
750Vdc (IEC, 15-60A)
Rated Current: 5-60A
Breaking Capacity: 50kA DC

Operating Class: gG

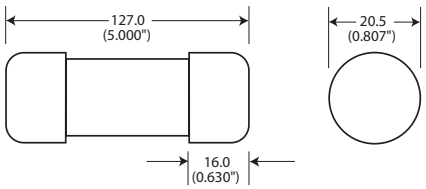
Standards/Agency Information: CE

Catalogue Numbers

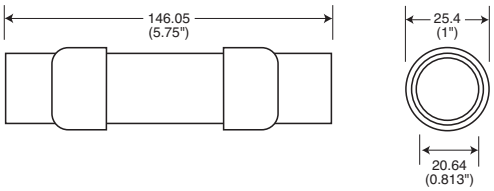
Catalogue Numbers	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
				Pre-Arcing	Clearing at 750Vdc	
FWK-5A20F	20x127mm ($^{13}/_{16}$" x 5")	1000Vdc (IEC)	5	8.5	16	6.7
FWK-8A20F			8	50	100	8.8
FWK-10A20F			10	95	200	8.5
FWK-15A20F		750Vdc (IEC)	15	100	240	5
FWK-20A20F			20	125	315	7.8
FWK-25A20F			25	400	1100	6.5
FWK-30A20F			30	800	2600	6.5
FWK-35A25F	25x146mm (1" x $5^{3}/_{4}$")		35	1300	4600	6
FWK-40A25F			40	1600	5300	6.8
FWK-50A25F			50	3100	12,000	7.3
FWK-60A25F			60	5900	24,000	7.7

Dimensions - mm (in)

20x127mm 5-30A



25x146mm 35-60A



Data Sheets: 720039, 5785031

Ferrule Fuse Links

14x67mm, FWJ Series
1000Vac/800Vdc (UL), 20 to 30A



Specifications

Description
Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters. Available with or without striker for remote indication.

Technical Data
Rated Voltage: 1000Vac/800Vdc (UL)
Rated Current: 20-30A
Breaking Capacity: 25kA RMS Sym., 50kA at 800Vdc

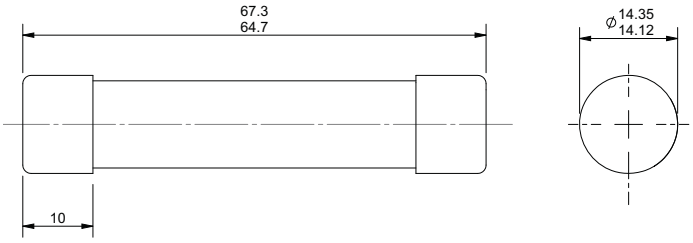
Operating Class: aR

Standards/Agency Information
CE, UL Recognised.

Catalogue Numbers

Catalogue Numbers	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
				Pre-Arcing	Clearing at 1000Vac	
FWJ-20A14F	14x67mm ($^9/_{16}$" x $2^5/_8$")	1000Vac/ 800Vdc (UL)	20	25	220	9
FWJ-25A14F			25	33	350	11
FWJ-30A14F			30	52	450	14

Dimensions - mm



Data Sheets: 720028, 5785315

Ferrule Fuse Links

20x127mm, FWL Series
1200Vac/1000Vdc (IEC), 20 to 30A



Specifications

Description
Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters. Available with indicator.

Technical Data
Rated Voltage: 1200Vac/1000Vdc (IEC)
Rated Current: 20-30A
Breaking Capacity: 50kA RMS Sym., 50kA at 1000Vdc

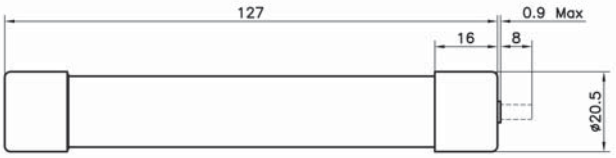
Operating Class: gR

Standards/Agency Information: CE

Catalogue Numbers

Without Indicator	With Indicator	Fuse Links Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
					Pre-Arcing	Clearing at 250Vac	
FWL-20A20F	FWL-20A20FI	20x127mm ($^{13}/_{16}$" x 5")	1200Vac/ 1000Vdc (IEC)	20	675	1550	5.9
FWL-25A20F	FWL-25A20FI			25	1200	2760	6.5
FWL-30A20F	FWL-30A20FI			30	1850	4300	7.5

Dimensions - mm



Data Sheets: 720040, 5785455

Ferrule Fuse Links

20x127mm, FWS Series
1400-2000Vac/1000Vdc (IEC), 2 to 15A



Specifications

Description
Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters. Available with indicator

Technical Data
Rated Voltage: 2000Vac/1000Vdc (IEC, 2-8A)
1400Vac/1000Vdc (IEC, 10-15A)
Rated Current: 2-15A
Breaking Capacity: 50kA RMS Sym., 50kA at 1000Vdc (2-10A only)

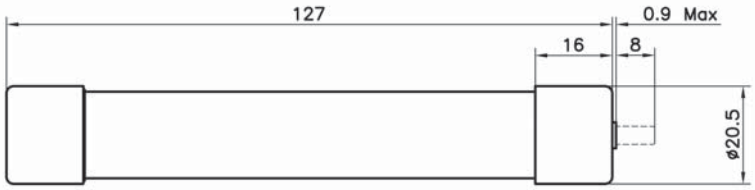
Operating Class: gR

Standards/Agency Information: CE

Catalogue Numbers

Without Indicator	With Indicator	Fuse Links Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
					Pre-Arcing	Clearing at 1000Vdc	
FWS-2A20F	FWS-2A20FI	20x127mm ($^{13}/_{16}$" x 5")	2000Vac/ 1000Vdc (IEC)	2	0.8	2.4	4.4
FWS-6A20F	FWS-6A20FI			6	27	81	6.7
FWS-8A20F	FWS-8A20FI			8	64	192	7.6
FWS-10A20F	FWS-10A20FI		1400Vac/ 1000Vdc (IEC)	10	118	277	3
FWS-12A20F	FWS-12A20FI			12	170	380	3.4
FWS-15A20F	FWS-15A20FI			15	209	500	5

Dimensions - mm



Data Sheets: 720040, 5785109

Square Body Fuse Links

Size 000 and 00, DIN 43653, 170M Series
690Vac (IEC), 700Vac/Vdc (UL), 10 to 400A



Specifications

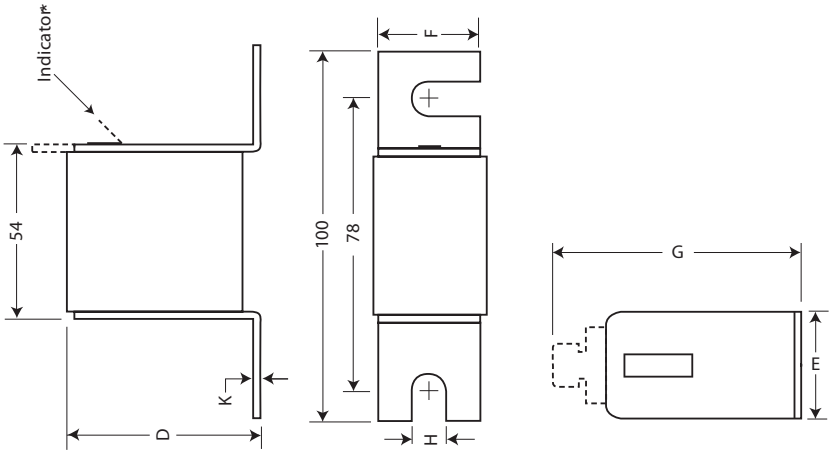
Description
Square body DIN 43653 bolted tags high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 690Vac (IEC, size 000 and 00)
700Vac (UL, size 000; size 00 100-400A only)
700Vdc (UL, size 000)
Rated Current: 10-400A
Breaking Capacity: 200kA RMS Sym.
50kA at 700Vdc (size 000 only)

Operating Class
gR - size 000 (10-63A), size 00 (25-80A)
aR - size 000 (>63A), size 00 (>80A)

Standards/Agency Information
CE, Designed and tested to IEC 60269 part 4. UL Recognised/CSA Component Acceptance on Size 000. CCC approved.

Dimensions - mm



* Indication for Size 00 fuses is a red pin

The dotted line illustrates the Type T indicator fuse link

Type -U/80, -/80, -TN/80

Size	D	E	F	G	H	K
000	40	21	20	51	8	2
00	51	30	28	67	10	2

Data Sheets: 170K6310 (Size 000), 170K6312 (Size 00)

Square Body Fuse Links

Size 000 and 00, DIN 43653, 170M Series
690Vac (IEC), 700Vac/Vdc (UL), 10 to 400A

Catalogue Numbers

-U/80 Without Indicator	-/80 Visual Indicator	-TN/80 Type T Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
						Pre-Arcing	Clearing at 660Vac	
170M1308	170M1358	170M1408	000	690Vac (IEC) 700Vac/Vdc (UL)	10	3.8	25.5	3
170M1309	170M1359	170M1409			16	7.2	48	5.5
170M1310	170M1360	170M1410			20	11.5	78	7
170M1311	170M1361	170M1411			25	19	130	9
170M1312	170M1362	170M1412			32	40	270	10
170M1313	170M1363	170M1413			40	69	460	12
170M1314	170M1364	170M1414			50	115	770	15
170M1315	170M1365	170M1415			63	215	1450	16
170M1316	170M1366	170M1416			80	380	2550	19
170M1317	170M1367	170M1417			100	695	4650	24
170M1318	170M1368	170M1418			125	1250	8500	28
170M1319	170M1369	170M1419			160	2350	16,000	32
170M1320	170M1370	170M1420			200	4200	28,000	37
170M1321	170M1371	170M1421			250	7750	51,500	42
170M1322	170M1372	170M1422			315	12,000	80,500	53
	170M2608	170M2658	00	690Vac (IEC)	25	19	130	6
	170M2609	170M2659			32	28.5	195	7
	170M2610	170M2660			40	50	360	9
	170M2611	170M2661			50	95	640	10
	170M2612	170M2662			63	170	1200	12
	170M2613	170M2663			80	310	2100	15
	170M2614	170M2664		690Vac (IEC) 700Vac (UL)	100	620	4150	20
	170M2615	170M2665			125	1000	6950	25
	170M2616	170M2666			160	1900	13,000	30
	170M2617	170M2667			200	3400	23,000	35
	170M2618	170M2668			250	6250	42,000	45
	170M2619	170M2669			315	10,000	68,500	55
	170M2620	170M2670			350	13,500	91,500	60
	170M2621	170M2671			400	18,000	125,000	70

Data Sheets: 170K6310 (Size 000), 170K6312 (Size 00)

Square Body Fuse Links

Size 1* to 3, DIN 43653, 170M Series
690Vac (IEC), 700Vac (UL), 40 to 2000A

Specifications



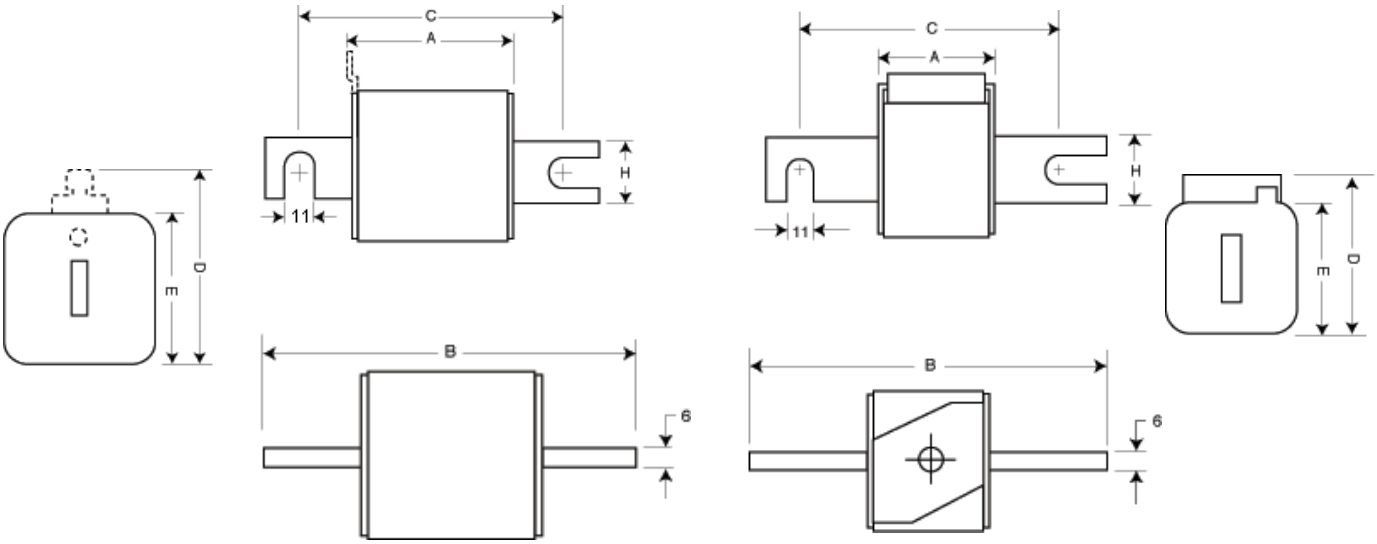
Description
Square body DIN 43653 bolted tags high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 690Vac (IEC)/700Vac (UL)
Rated Current: 40-2000A
Breaking Capacity: 200kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC60269 Part 4. Consult Cooper Bussmann for UL Recognition/CSA Component Acceptance status. CCC except where noted.

Dimensions - mm



Type -/80, -TN/80, -/110, -TN/110

Size	A	B	B[1]	C	C[1]	D[2]	E	H
1*	50	104	134	78	108	58	45	22
1	50	108	138	78	108	66	53	25
2	50	108	138	78	108	75	61	25
3	51	109	139	78	108	90	76	30

[1] Valid for fuse links type -/110, -TN/110.
[2] Valid for fuse type -TN/80 and -TN/110.

1mm = 0.0394" / 1" = 25.4mm

Type -KN/80, -KN/110

Size	A	B	B[3]	C	C[3]	D	E	H
1*	50	104	134	78	108	59	45	22
1	50	108	138	78	108	69	53	25
2	50	108	138	78	108	77	61	25
3	51	109	139	78	108	92	76	30

[3] Valid for fuse links type -KN/110.
1mm = 0.0394" / 1" = 25.4mm

Data Sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Square Body Fuse Links

Size 1* to 3, DIN 43653, 170M Series

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

Catalogue Numbers

-/80 Visual Indicator	-TN/80 Type T Indicator for Micro	-KN/80 Type K Indicator for Micro	-/110 Visual Indicator	-TN/110 Type T Indicator for Micro	-KN/110 Type K Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec) Pre-Arcing	I^2t (A^2 Sec) Clearing at 660Vac	Watts Loss (W)
170M3008	170M3058	170M3108	170M3158	170M3208	170M3258	1*	690Vac (IEC) 700Vac (UL)	40	40	270	9
170M3009	170M3059	170M3109	170M3159	170M3209	170M3259			50	77	515	11
170M3010	170M3060	170M3110	170M3160	170M3210	170M3260			63	115	770	14
170M3011	170M3061	170M3111	170M3161	170M3211	170M3261			80	185	1250	18
170M3012	170M3062	170M3112	170M3162	170M3212	170M3262			100	360	2450	21
170M3013	170M3063	170M3113	170M3163	170M3213	170M3263			125	550	3700	26
170M3014	170M3064	170M3114	170M3164	170M3214	170M3264			160	1100	7500	30
170M3015	170M3065	170M3115	170M3165	170M3215	170M3265			200	2200	15,000	35
170M3016	170M3066	170M3116	170M3166	170M3216	170M3266			250	4200	28,500	40
170M3017	170M3067	170M3117	170M3167	170M3217	170M3267			315	7000	46,500	50
170M3018	170M3068	170M3118	170M3168	170M3218	170M3268			350	10,000	68,500	55
170M3019	170M3069	170M3119	170M3169	170M3219	170M3269			400	15,000	105,000	60
170M3020	170M3070	170M3120	170M3170	170M3220	170M3270			450	21,000	140,000	65
170M3021	170M3071	170M3121	170M3171	170M3221	170M3271			500	27,000	180,000	70
170M3022	170M3072	170M3122	170M3172	170M3222	170M3272			550	34,000	230,000	75
170M3023	170M3073	170M3123	170M3173	170M3223	170M3273			630	48,500	325,000	80
170M4008	170M4058	170M4108	170M4158	170M4208	170M4258	1		200	1650	11,500	45
170M4009	170M4059	170M4109	170M4159	170M4209	170M4259			250	3100	21,000	55
170M4010	170M4060	170M4110	170M4160	170M4210	170M4260			315	6200	42,000	58
170M4011	170M4061	170M4111	170M4161	170M4211	170M4261			350	8500	59,000	60
170M4012	170M4062	170M4112	170M4162	170M4212	170M4262			400	13,500	91,500	65
170M4013	170M4063	170M4113	170M4163	170M4213	170M4263			450	17,000	120,000	70
170M4014	170M4064	170M4114	170M4164	170M4214	170M4264			500	25,000	170,000	72
170M4015	170M4065	170M4115	170M4165	170M4215	170M4265			550	34,000	230,000	75
170M4016	170M4066	170M4116	170M4166	170M4216	170M4266			630	52,000	350,000	80
170M4017	170M4067	170M4117	170M4167	170M4217	170M4267			700	69,500	465,000	85
170M4018	170M4068	170M4118	170M4168	170M4218	170M4268			800	105,000	725,000	95
170M4019[1]	170M4069[1]	170M4119[1]	170M4169[1]	170M4219[1]	170M4269[1]			900[2]	155,000	850,000[2]	100
170M5008	170M5058	170M5108	170M5158	170M5208	170M5258	2		400	11,000	74,000	65
170M5009	170M5059	170M5109	170M5159	170M5209	170M5259			450	15,500	105,000	70
170M5010	170M5060	170M5110	170M5160	170M5210	170M5260			500	21,500	145,000	75
170M5011	170M5061	170M5111	170M5161	170M5211	170M5261			550	28,000	190,000	80
170M5012	170M5062	170M5112	170M5162	170M5212	170M5262			630	41,000	275,000	90
170M5013	170M5063	170M5113	170M5163	170M5213	170M5263			700	60,500	405,000	95
170M5014	170M5064	170M5114	170M5164	170M5214	170M5264			800	86,000	575,000	105
170M5015	170M5065	170M5115	170M5165	170M5215	170M5265			900	125,000	840,000	110
170M5016	170M5066	170M5116	170M5166	170M5216	170M5266			1000	180,000	1,250,000	115
170M5017	170M5067	170M5117	170M5167	170M5217	170M5267			1100[3]	245,000	1,600,000	120
170M5018	170M5068	170M5118	170M5168	170M5218	170M5268			1250[3]	365,000	2,400,000	130
170M6008	170M6058	170M6108	170M6158	170M6208	170M6258	3		500	14,000	95,000	95
170M6009	170M6059	170M6109	170M6159	170M6209	170M6259			550	19,500	135,000	100
170M6010	170M6060	170M6110	170M6160	170M6210	170M6260			630	31,000	210,000	105
170M6011	170M6061	170M6111	170M6161	170M6211	170M6261			700	44,500	300,000	110
170M6012	170M6062	170M6112	170M6162	170M6212	170M6262			800	69,500	465,000	115
170M6013	170M6063	170M6113	170M6163	170M6213	170M6263			900	100,000	670,000	120
170M6014	170M6064	170M6114	170M6164	170M6214	170M6264			1000	140,000	945,000	125
170M6015	170M6065	170M6115	170M6165	170M6215	170M6265			1100	190,000	1,300,000	130
170M6016	170M6066	170M6116	170M6166	170M6216	170M6266			1250	290,000	1,950,000	140
170M6017	170M6067	170M6117	170M6167	170M6217	170M6267			1400	370,000	2,450,000	155
170M6018	170M6068	170M6118	170M6168	170M6218	170M6268			1500	460,000	3,100,000	160
170M6019	170M6069	170M6119	170M6169	170M6219	170M6269			1600	580,000	3,900,000	160
170M6020	170M6070	170M6120	170M6170	170M6220	170M6270			1800[4]	880,000	5,250,000[4]	165
170M6021	170M6071	170M6121	170M6171	170M6221	170M6271			2000[5]	1,150,000	6,350,000[5]	175

[1] Not UL Approved [2] Rated Voltage: 550Vac IEC [3] Rated Voltage: 600Vac IEC, 700Vac UL [4] Rated Voltage: 600Vac IEC, 500Vac UL [4] Rated Voltage: 550Vac IEC, 500Vac UL

Data Sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Square Body Fuse Links

Size 00, DIN 43653, 170M Series
1000Vac (IEC and UL), 20 to 315A



Specifications

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

Technical Data
Rated Voltage: 1000Vac (IEC and UL 20-250A) / 900Vac (IEC, 315A)
Rated Current: 20-315A
Breaking Capacity: 125kA RMS Sym.

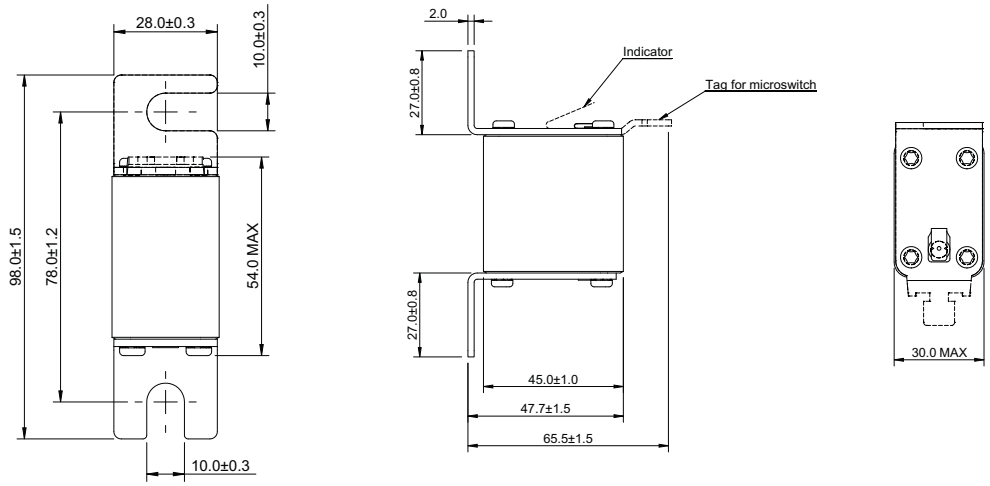
Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC60269 Part 4, UL Recognised/CSA component acceptance status (20-250A).

Catalogue Numbers

00/80 Visual Indicator	00TN/80 Type T Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
					Pre-Arcing	Clearing at Rated Voltage	
170M4802	170M4822	00	1000Vac (IEC/UL)	20	20	140	5
170M4803	170M4823			25	30	210	7
170M4804	170M4824			32	55	390	9
170M4805	170M4825			35	69	500	10
170M4806	170M4826			40	100	690	11
170M4807	170M4827			50	170	1200	13
170M4808	170M4828			63	280	2000	18
170M4809	170M4829			80	500	3500	22
170M4810	170M4830			100	950	6850	25
170M4811	170M4831			125	1500	11,500	33
170M4812	170M4832			160	3000	22,000	37
170M4813	170M4833			200	5600	40,500	40
170M4814	170M4834			250	10,000	74,000	48
170M4815	170M4835		900Vac (IEC)	315	18,000	115,000	58

Dimensions - mm



Data Sheet: 170K8504

Square Body Fuse Links

Size 1* to 3, DIN 43653, 170M Series
1000Vac (IEC and UL), 50 to 1400A



Specifications

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

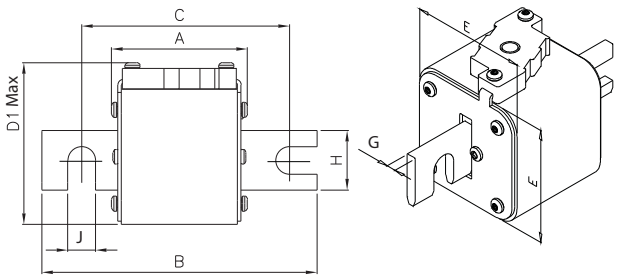
Technical Data
Rated Voltage: 1000Vac (IEC, 50-1250A), 900Vac (IEC, 1400A)
1000Vac (UL size 2, size 3, 315-1100A only)
Rated Current: 50-1400A
Breaking Capacity: 125kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC60269 Part 4, UL Recognised (only sizes 2 & 3)
CCC only size 3 (315-1100A)

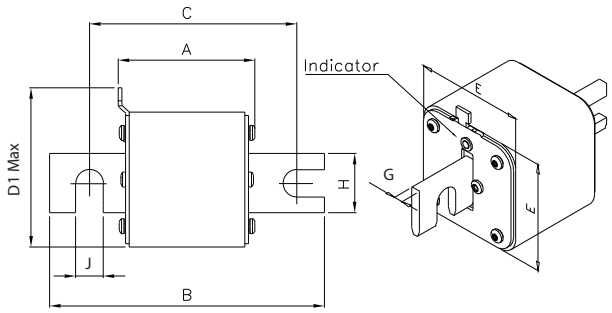
Dimensions - mm

Type -KN/110



Size	A	B	C	D1 (max)	E	G	H	J
1*KN/110	80	138	108	61	43	6	22	11
1KN/110	80	138	108	69	51	6	25	11
2KN/110	80	138	108	77	59	6	25	11
3KN/110	81	139	108	92	74	6	30	11

Type -TN/110



Size	A	B	C	D1 (max)	E	G	H	J
1*TN/110	80	138	108	61	43	6	22	11
1TN/110	80	138	108	69	51	6	25	11
2TN/110	80	138	108	75	59	6	25	11
3TN/110	81	139	108	90	74	6	30	11

Data Sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Square Body Fuse Links

Size 1* to 3, DIN 43653, 170M Series
1000Vac (IEC and UL), 50 to 1400A

Catalogue Numbers

-KN/110 Type K Indicator for Micro	-TN/110 Type T Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
					Pre-Arcing	Clearing at Rated Voltage	
170M3965	170M3981	1*	1000Vac (IEC)	50	135	815	20
170M3966	170M3982			63	215	1300	25
170M3967	170M3983			80	460	2750	30
170M3968	170M3984			100	860	5100	35
170M3969	170M3985			125	1450	8600	40
170M3970	170M3986			160	2850	17,500	45
170M3971	170M3987			200	4950	29,500	50
170M3972	170M3988			250	9550	57,000	55
170M3973	170M3989			315	21,500	130,000	65
170M3974	170M3990			350	29,000	175,000	70
170M3975	170M3991			400	42,000	250,000	75
170M4965	170M4980	1		160	2200	13,500	40
170M4966	170M4981			200	4150	24,500	45
170M4967	170M4982			250	7750	46,000	52
170M4968	170M4983			315	16,500	98,500	60
170M4969	170M4984			350	21,500	130,000	65
170M4970	170M4985			400	31,000	185,000	70
170M4971	170M4986			450	44,500	265,000	80
170M4972	170M4987			500	63,000	375,000	85
170M4973	170M4988			550	84,500	500,000	90
170M4974	170M4989			630	125,000	755,000	98
170M5966	170M5981	2		250	6750	40,000	65
170M5967	170M5982			315	13,500	81,500	75
170M5968	170M5983			350	16,500	99,000	80
170M5969	170M5984			400	26,000	155,000	85
170M5970	170M5985			450	35,500	210,000	90
170M5971	170M5986			500	49,500	295,000	95
170M5972	170M5987			550	66,000	390,000	100
170M5973	170M5988			630	93,500	555,000	110
170M5974	170M5989			700	130,000	770,000	115
170M5975	170M5990			800	195,000	1,200,000	125
170M8614	170M8629	3	1000Vac (IEC and UL)	315	9200	54,500	90
170M8615	170M8630			350	13,000	77,500	95
170M8616	170M8631			400	19,000	115,000	105
170M8617	170M8632			450	27,000	160,000	107
170M8618	170M8633			500	37,500	225,000	110
170M8619	170M8634			550	52,000	310,000	115
170M8620	170M8635			630	82,500	490,000	120
170M8621	170M8636			700	115,000	700,000	125
170M8622	170M8637			800	170,000	1,050,000	135
170M8623	170M8638			900	250,000	1,500,000	145
170M8624	170M8639			1000	340,000	2,050,000	150
170M8625	170M8640			1100	460,000	2,750,000	155
170M8626	170M8641		1000Vac (IEC)	1250	575,000	3,400,000	175
170M8627	170M8642		900Vac (IEC)	1400	795,000	4,200,000	185

Data Sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Square Body Fuse Links

Size 1* to 3, DIN 43653, 170M Series
1250Vac (IEC), 1300Vac (UL), 50 to 1400A



Specifications

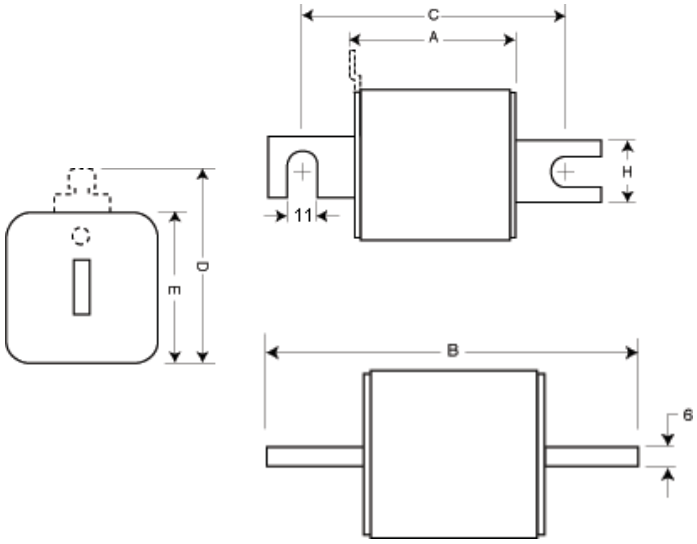
Description
Square body DIN 43653 bolted tags high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

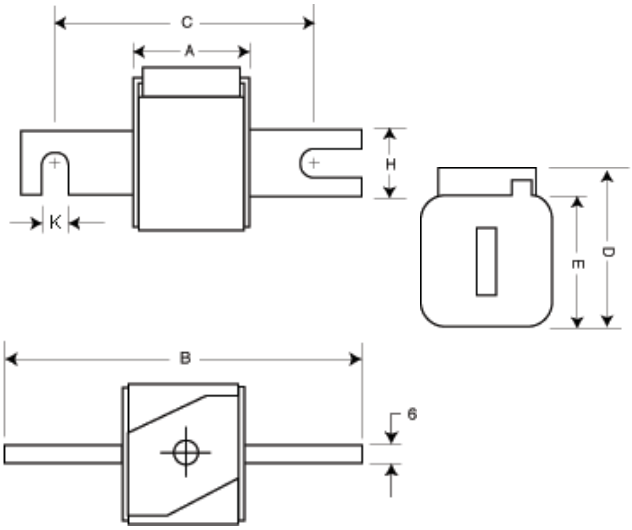
Technical Data
Rated Voltage: see table opposite page
Rated Current: 50-1400A
Breaking Capacity: 100kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC60269 Part 4. Consult Cooper Bussmann for UL Recognition/CSA Component Acceptance status.

Dimensions - mm





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 fuse links -TN//110
1mm = 0.0394” / 1” = 25.4mm

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

1mm = 0.0394” / 1” = 25.4mm

Data Sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Square Body Fuse Links

Size 1* to 3, DIN 43653, 170M Series

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

Catalogue Numbers

-/110 Visual Indicator	-TN/110 Type T Indicator for Micro	-KN/110 Type K Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I²t (A² Sec) Pre-Arcing	I²t (A² Sec) Clearing at 1000Vac	I²t (A² Sec) Clearing at 1250Vac	Watts Loss (W)
170M3138	170M3188	170M3238	1*	1250Vac (IEC) 1300Vac (UL)	50	135	815	1100	15
170M3139	170M3189	170M3239			63	215	1300	1750	20
170M3140	170M3190	170M3240			80	420	2500	3350	25
170M3141	170M3191	170M3241			100	750	4450	5950	30
170M3142	170M3192	170M3242			125	1450	9000	11,500	35
170M3143	170M3193	170M3243			160	2600	16,000	21,000	40
170M3144	170M3194	170M3244			200	5150	31,000	41,000	45
170M3145	170M3195	170M3245			250	9200	54,500	73,000	55
170M3146	170M3196	170M3246			315	18,500	115,000	150,000	60
170M3147	170M3197	170M3247			350	27,000	165,000	220,000	65
170M3148	170M3198	170M3248			400	53,000	265,000	335,000	70
170M4138	170M4188	170M4238	1		160	1900	11,500	15,500	45
170M4139	170M4189	170M4239			200	3800	22,500	30,000	50
170M4140	170M4190	170M4240			250	7750	46,000	61,500	60
170M4141	170M4191	170M4241			315	15,000	90,000	120,000	65
170M4142	170M4192	170M4242			350	20,000	125,000	165,000	70
170M4143	170M4193	170M4243			400	29,500	175,000	235,000	75
170M4144	170M4194	170M4244			450	42,000	250,000	335,000	80
170M4145	170M4195	170M4245			500	69,500	340,000	435,000	85
170M4146	170M4196	170M4246			550	95,000	465,000	590,000	95
170M4147[1]	170M4197[1]	170M4247[1]		1100Vac (IEC)	630	130,000	660,000	N/A	100
170M5138	170M5188	170M5238	2	1250Vac (IEC) 1300Vac (UL)	250	6500	38,500	51,500	65
170M5139	170M5189	170M5239			280	9350	55,500	74,500	70
170M5140	170M5190	170M5240			315	13,000	77,500	105,000	75
170M5141	170M5191	170M5241			350	16,500	97,500	135,000	80
170M5142	170M5192	170M5242			400	23,000	140,000	180,000	85
170M5143	170M5193	170M5243			450	34,000	205,000	270,000	90
170M5144	170M5194	170M5244			500	48,000	285,000	380,000	95
170M5145	170M5195	170M5245			550	62,000	370,000	495,000	100
170M5146	170M5196	170M5246			630	115,000	575,000	730,000	120
170M5147	170M5197	170M5247			700	160,000	795,000	1,050,000	125
170M5148	170M5198	170M5248			800	245,000	1,200,000	1,550,000	130
170M5149	170M5199	170M5249		1100Vac (IEC & UL)	900	360,000	1,750,000	N/A	135
170M5150	170M5200	170M5250			1000	480,000	2,350,000	N/A	145
170M6138	170M6188	170M6238	3	1300Vac (UL)	315	9500	58,000	77,500	85
170M6139	170M6189	170M6239			350	13,500	81,500	110,000	90
170M6140	170M6190	170M6240			400	19,500	120,000	160,000	95
170M6141	170M6191	170M6241			450	31,000	185,000	245,000	100
170M6142	170M6192	170M6242			500	39,000	235,000	310,000	105
170M6143	170M6193	170M6243			550	55,000	325,000	435,000	110
170M6144	170M6194	170M6244			630	83,500	495,000	665,000	115
170M6145	170M6195	170M6245			700	115,000	705,000	940,000	120
170M6146	170M6196	170M6246[1]			800	205,000	995,000	1,300,000	125
170M6147	170M6197	170M6247[1]			900	305,000	1,500,000	1,900,000	130
170M6148	170M6198	170M6248[1]			1000	450,000	2,150,000	2,750,000	135
170M6149	170M6199	170M6249[1]			1100	575,000	2,800,000	3,600,000	160
170M6150[1]	170M6200[1]	170M6250[1]		1100Vac (IEC)	1250	810,000	3,950,000	N/A	170
170M6151[1]	170M6201[1]	170M6251[1]			1400	1,250,000	6,000,000	N/A	175

[1] These fuse links are not UL Recognised.

Data Sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Square Body Fuse Links

Size 00 to 3, DIN 43620 - Full Range (gR), 170M Series
690Vac (IEC), 10 to 800A

Specifications



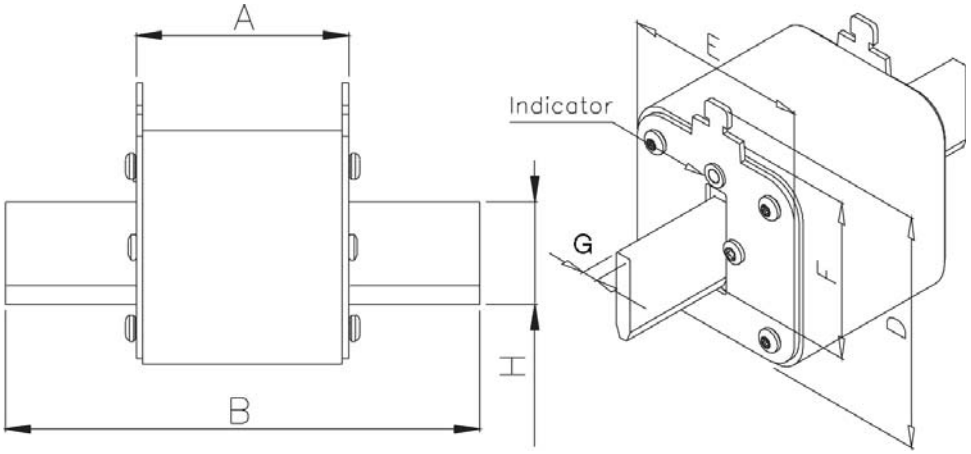
Description
Square body DIN 43653 blade high speed fuse links. Full range protection fuse links provide both overload and short-circuit protection

Technical Data
Rated Voltage: 690Vac (IEC)
Rated Current: 10-800A
Breaking Capacity: 200kA RMS Sym.

Operating Class: gR

Standards/Agency Information
CE, Designed and tested to IEC 60269 Part 4.

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

Data Sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

Square Body Fuse Links

Size 00 to 3, DIN 43620 - Full Range (gR), 170M Series
690Vac (IEC), 10 to 800A

Catalogue Numbers

Type T Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)[1]	I^2t (A^2 Sec)		Watts Loss (W)
				Pre-Arcing	Clearing at 690Vac	
170M2691	00	690Vac (IEC)	10	3.8	20	3.5
170M2692			16	7.2	38	5.5
170M2693			20	13	70	6
170M2694			25	24	125	8
170M2695			32	53	275	9
170M2696			40	95	490	10
170M2697			50	185	1000	11
170M2698			63	345	1800	14
170M2699			80	695	3600	16
170M2700			100	1250	6650	19
170M2701			125	2300	12,000	23
170M2702			160	4350	22,500	29
170M4176	1		50	135	705	12
170M4177			63	245	1300	15
170M4178			80	500	2600	17
170M4179			100	950	4850	20
170M4180			125	1850	9500	23
170M4181			160	3450	18,000	28
170M4182			200	6750	34,500	31
170M4183			250	13,500	70,500	35
170M4184			315	26,000	135,000	41
170M4185			350	34,000	175,000	45
170M4186			400	48,500	250,000	48
170M5881	2		200	5650	29,000	33
170M5882			250	10,000	52,500	40
170M5883			315	19,500	105,000	46
170M5884			350	26,000	135,000	50
170M5885			400	39,500	205,000	53
170M5886			450	55,500	290,000	59
170M5887			500	73,000	375,000	66
170M5888			550	100,000	515,000	70
170M5889			630	150,000	770,000	79
170M6080	3		350	23,000	120,000	55
170M6081			400	34,000	175,000	59
170M6082			450	48,500	250,000	62
170M6083			500	64,000	330,000	67
170M6084			550	84,500	435,000	70
170M6085			630	125,000	645,000	85
170M6086			700	160,000	840,000	93
170M6087			800	245,000	1,300,000	99

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

Data Sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

Square Body Fuse Links

Size 000 to 3, DIN 43620 - Dual Indicator Fuse Links, 170M Series
690Vac (IEC), 700Vac (UL), 10 to 1600A

Specifications



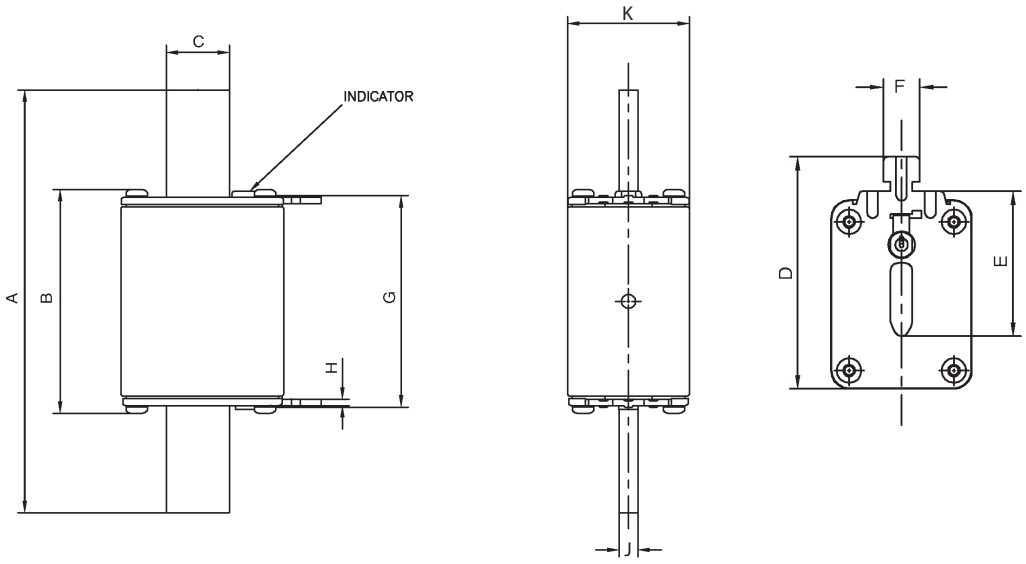
Description
Square body DIN 43620 blade high speed fuse links with dual indicator system: one indicator in the fuse body and another one in the metallic end plate. Interchangeable with existing high speed DIN 43620 fuse links for the protection of UPS, soft starters, solid state relays, variable speed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

Technical Data
Rated Voltage: 690Vac (IEC), 700Vac (UL)
Rated Current: 10-1600A
Breaking Capacity: 200kA RMS Sym.

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

Standards/Agency Information
CE, IEC60269 Part 4, UL and CSA Recognised.

Dimensions - mm



Size	A	B	C	D	E	F	G	H	J	K
000	78.5	53	15	52	35	10	49.7	1.5	6	20.5
00	78.5	53	15	59	35	10	49.7	2	6	30
1	135	71.4	20	64	40	10	67.5	2	6	40
2	150	71.4	25.1	72	48	10	67.5	2	6	54
3	150	72.4	32	87	60	10	68.5	2.5	6	71

Data Sheets: 170K6386 (Size 000), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

Square Body Fuse Links

Size 000 to 3, DIN 43620 - Dual Indicator Fuse Links, 170M Series
690Vac (IEC), 700Vac (UL), 10 to 1600A

Catalogue Numbers

Dual Indicator	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
				Pre-Arcing	Clearing at 690Vac	
170M1558D	000	690Vac (IEC) 700Vac (UL)	10	4	27	2.5
170M1559D			16	7	51	4
170M1560D			20	11.5	82.5	5
170M1561D			25	19	140	6
170M1562D			32	40	285	7
170M1563D			40	65	490	8.5
170M1564D			50	115	815	9.5
170M1565D			63	215	1550	11.5
170M1566D			80	380	2700	15
170M1567D			100	695	4950	16.5
170M1568D			125	1180	8250	21.5
170M1569D			160	2300	16,500	25
170M1570D			200	4350	31,000	29.5
170M1571D			250	7900	56,000	35.5
170M1572D	00		315	12,000	84,500	45
170M3808D	1		40	40	285	4
170M3809D			50	78	550	4.5
170M3810D			63	120	850	6.5
170M3811D			80	185	1350	8.5
170M3812D			100	360	2600	10
170M3813D			125	550	3900	11
170M3814D			160	1150	8250	12
170M3815D			200	2300	16,500	12.5
170M3816D			250	4350	31,000	16
170M3817D			315	7300	52,000	20
170M3818D			350	10,000	73,000	21.5
170M3819D			400	16,000	115,000	23
170M4863D			450	21,500	155,000	26.5
170M4864D			500	27,000	190,000	28.5
170M4865D			550	33,500	240,000	33
170M4866D			630	48,500	345,000	37.5
170M4867D[1]			700	69,500	495,000	39
170M5808D	2		400	11,000	79,000	29
170M5809D			450	16,000	115,000	32
170M5810D			500	21,500	155,000	34
170M5811D			550	29,000	215,000	36
170M5812D			630	41,000	295,000	42
170M5813D			700	60,500	430,000	43
170M5814D			800	86,000	610,000	48
170M5820D			900	125,000	895,000	52
170M5816D			1000	180,000	1,300,000	53
170M5817D			1100	245,000	1,750,000	56
170M6808D	3		500	14,000	99,500	43
170M6809D			550	19,500	140,000	44
170M6810D			630	31,000	220,000	45
170M6811D			700	45,000	320,000	46
170M6812D			800	69,500	490,000	48
170M6813D			900	100,000	720,000	50
170M6814D			1000	140,000	985,000	56
170M6892D			1100	190,000	1,400,000	57
170M8554D			1250	300,000	2,150,000	61
170M8555D			1400	380,000	2,700,000	70
170M8556D			1500	470,000	3,350,000	72
170M8557D			1600	585,000	4,150,000	74

[1] 170M4867D is not UL recognised

Data Sheets: 170K6386 (Size 000), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

Square Body Fuse Links

Size 00, DIN 43620, 170M Series
1000Vac (IEC and UL), 20 to 225A



Specifications

Description
Square body DIN 43620 blade style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 1000Vac (IEC and UL) / 900Vac (200 and 225A)
Rated Current: 20-225A
Breaking Capacity: 125kA RMS Sym.

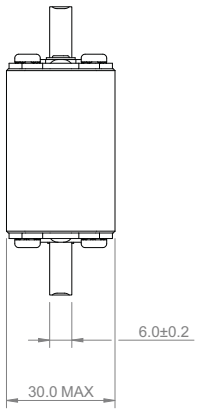
Operating Class: aR

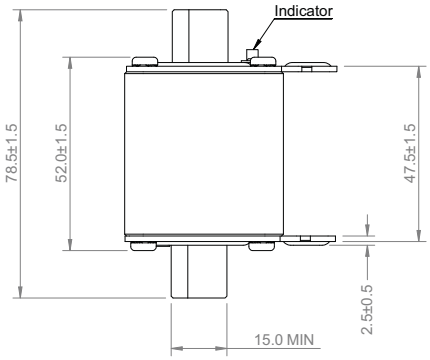
Standards/Agency Information
CE, Designed and tested to IEC60269 Part 4, UL Recognised/CSA Component Acceptance status (20-160A).

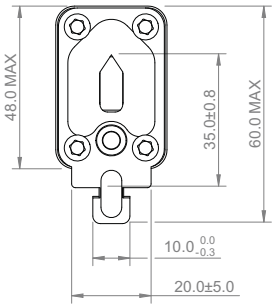
Catalogue Numbers

Type T Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec) Pre-Arcing	I^2t (A^2 Sec) Clearing at 1000Vac	Watts Loss (W)
170M2673	00	1000Vac (IEC/UL)	20	15	110	8.5
170M2674			25	28.5	210	9.5
170M2675			32	53	390	11
170M2676			35	69	500	12
170M2677			40	105	760	13
170M2678			50	215	1550	14
170M2679			63	380	2750	16
170M2680			80	815	5900	18
170M2681			100	1550	11,500	21
170M2682			125	3000	22,000	23
170M2683			160	6250	45,000	26
170M2684		900Vac (IEC)	200	12,000	86,500	31
170M2685			225	18,000	115,000	33

Dimensions - mm







Data Sheet: 170K8506

Square Body Fuse Links

Size 1* to 3, French Style, 170M Series
690Vac (IEC), 700Vac (UL), 40 to 1600A

Specifications



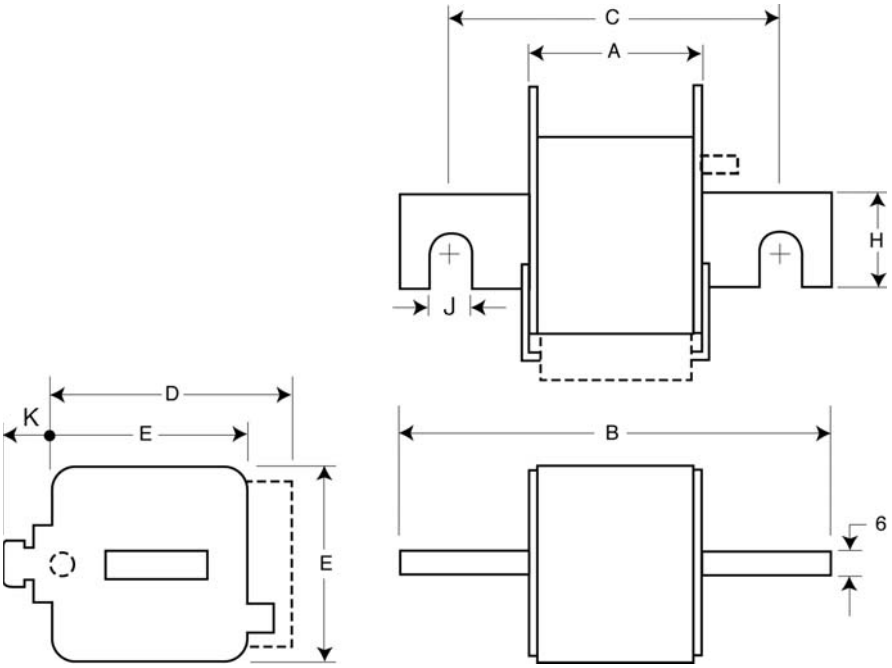
Description
Square body French style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 690Vac (IEC), 700Vac (UL)
Rated Current: 40-1600A
Breaking Capacity: 200kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC60269 Part 4, UL Recognised, CCC approved.

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

Data Sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Square Body Fuse Links

Size 1* to 3, French Style, 170M Series

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

Catalogue Numbers

-E/- Type T Indicator for Micro	-EKN/- Type K Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I²t (A² Sec)		Watts Loss (W)
					Pre-Arcing	Clearing at 660Vac	
170M3308	170M3358	1*	690Vac (IEC) 700Vac (UL)	40	40	270	9
170M3309	170M3359			50	77	515	11
170M3310	170M3360			63	115	770	14
170M3311	170M3361			80	185	1250	18
170M3312	170M3362			100	360	2450	21
170M3313	170M3363			125	550	3700	26
170M3314	170M3364			160	1100	7500	30
170M3315	170M3365			200	2200	15,000	35
170M3316	170M3366			250	4200	28,500	40
170M3317	170M3367			315	7000	46,500	50
170M3318	170M3368			350	10,000	68,500	55
170M3319	170M3369			400	15,000	105,000	60
170M3320	170M3370			450	21,000	140,000	65
170M3321	170M3371			500	27,000	180,000	70
170M4308	170M4358	1		200	1650	11,500	45
170M4309	170M4359			250	3100	21,000	55
170M4310	170M4360			315	6200	42,000	58
170M4311	170M4361			350	8500	59,000	60
170M4312	170M4362			400	13,500	91,500	65
170M4313	170M4363			450	17,000	120,000	70
170M4314	170M4364			500	25,000	170,000	72
170M4315	170M4365			550	34,000	230,000	75
170M4316	170M4366			630	52,000	350,000	80
170M4317	170M4367			700	69,500	465,000	85
170M4318	170M4368			800	105,000	725,000	95
170M5308	170M5358	2		400	11,000	74,000	65
170M5309	170M5359			450	15,500	105,000	70
170M5310	170M5360			500	21,500	145,000	75
170M5311	170M5361			550	28,000	190,000	80
170M5312	170M5362			630	41,000	275,000	90
170M5313	170M5363			700	60,500	405,000	95
170M5314	170M5364			800	86,000	575,000	105
170M5315	170M5365			900	125,000	840,000	110
170M5316	170M5366			1000	180,000	1,250,000	115
170M6308	170M6358	3		500	14,000	95,000	95
170M6309	170M6359			550	19,500	135,000	100
170M6310	170M6360			630	31,000	210,000	105
170M6311	170M6361			700	44,500	300,000	110
170M6312	170M6362			800	69,500	465,000	115
170M6313	170M6363			900	100,000	670,000	120
170M6314	170M6364			1000	140,000	945,000	125
170M6315	170M6365			1100	190,000	1,300,000	130
170M6316	170M6366			1250	290,000	1,950,000	140
170M6317	170M6367			1400	370,000	2,450,000	155
170M6318	170M6368			1500	460,000	3,100,000	160
170M6319	170M6369			1600	580,000	3,900,000	160

Data Sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Square Body Fuse Links

Size 1* to 3, US Style, 170M Series
690Vac (IEC), 700Vac (UL), 40 to 2000A



Specifications

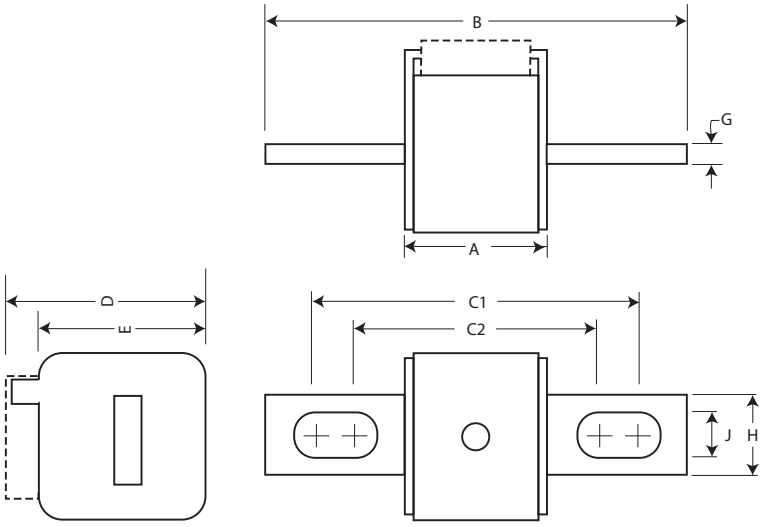
Description
Square body US style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: see table page 52
Rated Current: 40-2000A
Breaking Capacity: 200kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC60269 Part 4. Consult Cooper Bussmann for UL Recognition/CSA Component Acceptance status and CCC approvals.

Dimensions - mm



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

Size	A	B	B[1]	C1	C1[1]	C2	C2[1]	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

[1] Valid for fuse links type -FU/115 & -FKE/115.
1mm = 0.0394" / 1" = 25.4mm

Data Sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Square Body Fuse Links

Size 1* to 3, US Style, 170M Series

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

Catalogue Numbers

-FU/- Without Indicator	-FKE/- Type K Indicator for Micro	-FU/115 Without Indicator	-FKE/115 Type K Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I²t (A² Sec)		Watts Loss (W)
							Pre-Arcing	Clearing at 660Vac	
170M3608	170M3658	170M3708	170M3758	1*	690Vac (IEC) 700Vac (UL)	40	40	270	9
170M3609	170M3659	170M3709	170M3759			50	70	515	11
170M3610	170M3660	170M3710	170M3760			63	115	770	14
170M3611	170M3661	170M3711	170M3761			80	185	1250	18
170M3612	170M3662	170M3712	170M3762			100	360	2450	21
170M3613	170M3663	170M3713	170M3763			125	550	3700	26
170M3614	170M3664	170M3714	170M3764			160	1100	7500	30
170M3615	170M3665	170M3715	170M3765			200	2200	15,000	35
170M3616	170M3666	170M3716	170M3766			250	4200	28,500	40
170M3617	170M3667	170M3717	170M3767			315	7000	46,500	50
170M3618	170M3668	170M3718	170M3768			350	10,000	68,500	55
170M3619	170M3669	170M3719	170M3769			400	15,000	105,000	60
170M3620	170M3670	170M3720	170M3770			450	21,000	140,000	65
170M3621	170M3671	170M3721	170M3771			500	27,000	180,000	70
170M3622	170M3672	170M3722	170M3772			550	34,000	230,000	75
170M3623	170M3673	170M3723	170M3773			630	48,500	325,000	80
170M4608	170M4658	170M4708	170M4758	1		200	1650	11,500	45
170M4609	170M4659	170M4709	170M4759			250	3100	21,000	55
170M4610	170M4660	170M4710	170M4760			315	6200	42,000	58
170M4611	170M4661	170M4711	170M4761			350	8500	59,000	60
170M4612	170M4662	170M4712	170M4762			400	13,500	91,500	65
170M4613	170M4663	170M4713	170M4763			450	17,000	120,000	70
170M4614	170M4664	170M4714	170M4764			500	25,000	170,000	72
170M4615	170M4665	170M4715	170M4765			550	34,000	230,000	75
170M4616	170M4666	170M4716	170M4766			630	52,000	350,000	80
170M4617	170M4667	170M4717	170M4767			700	69,500	465,000	85
170M4618	170M4668	170M4718	170M4768			800	105,000	725,000	95
170M4619	170M4669	170M4719	170M4769		550Vac (IEC)	900	155,000	850,000	100
170M5608	170M5658	170M5708	170M5758	2	690Vac (IEC) 700Vac (UL)	400	11,000	74,000	65
170M5609	170M5659	170M5709	170M5759			450	15,500	105,000	70
170M5610	170M5660	170M5710	170M5760			500	21,500	145,000	75
170M5611	170M5661	170M5711	170M5761			550	28,000	190,000	80
170M5612	170M5662	170M5712	170M5762			630	41,000	275,000	90
170M5613	170M5663	170M5713	170M5763			700	60,500	405,000	95
170M5614	170M5664	170M5714	170M5764			800	86,000	575,000	105
170M5615	170M5665	170M5715	170M5765			900	125,000	840,000	110
170M5616	170M5666	170M5716	170M5766			1000	180,000	1,250,000	115
170M5617	170M5667	170M5717	170M5767		600Vac (IEC) 700Vac (UL)	1100	245,000	1,600,000	120
170M5618	170M5668	170M5718	170M5768			1250	365,000	2,400,000	130
170M6608	170M6658	170M6708	170M6758	3	690Vac (IEC) 700Vac (UL)	500	14,000	95,000	95
170M6609	170M6659	170M6709	170M6759			550	19,500	135,000	100
170M6610	170M6660	170M6710	170M6760			630	31,000	210,000	105
170M6611	170M6661	170M6711	170M6761			700	44,500	300,000	110
170M6612	170M6662	170M6712	170M6762			800	69,500	465,000	115
170M6613	170M6663	170M6713	170M6763			900	100,000	670,000	120
170M6614	170M6664	170M6714	170M6764			1000	140,000	945,000	125
170M6615	170M6665	170M6715	170M6765			1100	190,000	1,300,000	130
170M6616	170M6666	170M6716	170M6766			1250	290,000	1,950,000	140
170M6617	170M6667	170M6717	170M6767			1400	370,000	2,450,000	155
170M6618	170M6668	170M6718	170M6768			1500	460,000	3,100,000	160
170M6619	170M6669	170M6719	170M6769			1600	580,000	3,900,000	160
170M6620	170M6670	170M6720	170M6770		600Vac (IEC)/500Vac (UL)	1800	880,000	5,250,000	165
170M6621	170M6671	170M6721	170M6771		550Vac (IEC)/500Vac (UL)	2000	1,150,000	6,350,000	175

Data Sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Square Body Fuse Links

Size 1* to 3, US Style, 170M Series
1000Vac (IEC), 50 to 1400A



Specifications

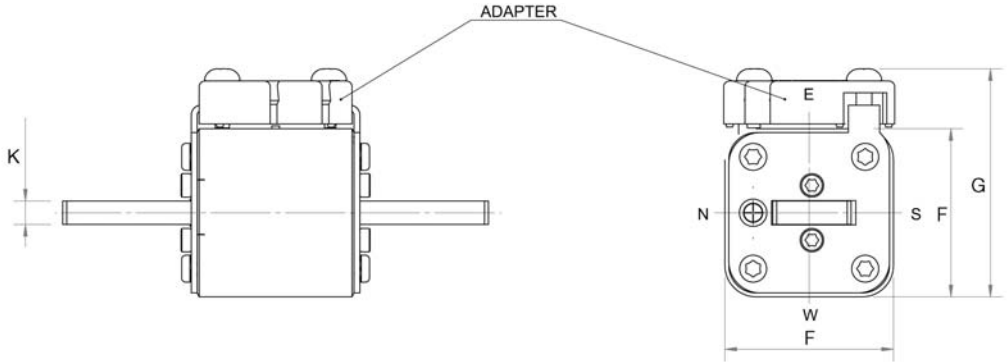
Description
Square body US style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

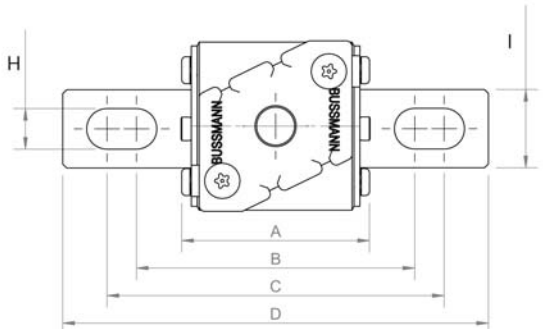
Technical Data
Rated Voltage: 1000Vac (IEC), 900Vac (IEC, 1400A)
Rated Current: 50-1400A
Breaking Capacity: 125kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC60269 Part 4. UL Recognised/CSA Component Acceptance status for size 2 and 3 (315-1100A) and CCC approval for size 2 only.

Dimensions - mm





Size	A	B	C	D	F	G	H	I	K
1*FKE/115	74	101	130	156	43	60	10.4	20	6
1FKE/115	76	102	128	160	51	68	14.3	25	6
2FKE/115	76	101.1	127.5	160	59	76	14.4	25	6
3FKE/115	76	101.1	127.5	158	74	91	16	36	6

1mm = 0.0394” / 1” = 25.4mm

Data Sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Square Body Fuse Links

Size 1* to 3, US Style, 170M Series
1000Vac (IEC), 50 to 1400A

Catalogue Numbers

-FKE/115 Type K Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
				Pre-Arcing	Clearing at 1000Vac	
170M3531	1*	1000Vac (IEC)	50	135	815	20
170M3532			63	215	1300	25
170M3533			80	460	2750	30
170M3534			100	860	5100	35
170M3535			125	1450	8600	40
170M3536			160	2850	17,500	45
170M3537			200	4950	29,500	50
170M3538			250	9550	57,000	55
170M3539			315	21,500	130,000	65
170M3540			350	29,000	175,000	70
170M3541			400	42,000	250,000	75
170M4531	1		160	2200	13,500	40
170M4532			200	4150	24,500	50
170M4533			250	7750	46,000	55
170M4534			315	16,500	98,500	65
170M4535			350	21,500	130,000	70
170M4536			400	31,000	185,000	75
170M4537			450	44,500	265,000	80
170M4538			500	63,000	375,000	85
170M4539			550	84,500	500,000	90
170M4540			630	125,000	755,000	98
170M5531	2	1000Vac (IEC/UL)	250	6750	40,000	65
170M5532			315	13,500	81,500	75
170M5533			350	16,500	99,000	80
170M5534			400	26,000	155,000	85
170M5535			450	35,500	210,000	90
170M5536			500	49,500	295,000	95
170M5337			550	66,000	390,000	100
170M5538			630	93,500	555,000	110
170M5539			700	130,000	770,000	115
170M5540			800	195,000	1,200,000	125
170M8531	3	1000Vac (IEC/UL)	315	9200	54,500	90
170M8532			350	13,000	77,500	95
170M8533			400	19,000	115,000	105
170M8534			450	27,000	160,000	107
170M8535			500	37,500	225,000	110
170M8536			550	52,000	310,000	115
170M8537			630	82,500	490,000	120
170M8538			700	115,000	700,000	125
170M8539			800	170,000	1,050,000	135
170M8540			900	250,000	1,500,000	145
170M8541			1000	340,000	2,050,000	150
170M8542			1100	460,000	2,750,000	155
170M8543		1000Vac (IEC)	1250	575,000	3,400,000	175
170M8544		900Vac (IEC)	1400	795,000	4,200,000	185

Data Sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Square Body Fuse Links

Size 1* to 3, US Style, 170M Series
1250Vac (IEC), 1300Vac (UL), 50 to 1400A



Specifications

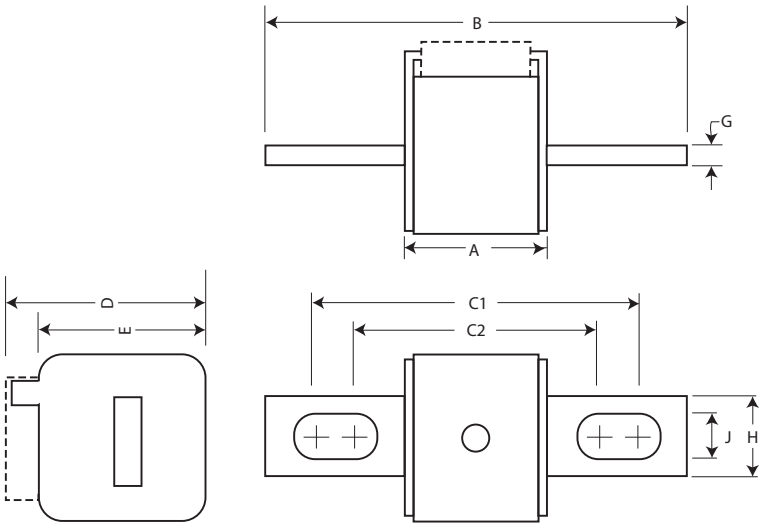
Description
Square body US style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 1250Vac (IEC), 1300Vac (UL)
Rated Current: 50-1400A
Breaking Capacity: 100kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC 60269 part 4. Consult Bussmann for UL Recognition/CSA Component Acceptance status and CCC approvals.

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

Data Sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Square Body Fuse Links

Size 1* to 3, US Style, 170M Series

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

Catalogue Numbers

-FU/115 Without Indicator	-FKE/115 Type K Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)			Watts Loss (W)
					Pre-Arcing	Clearing at 1000Vac	Clearing at 1250Vac	
170M3688	170M3738	1*	1250Vac (IEC) 1300Vac (UL)	50	135	815	1100	15
170M3689	170M3739			63	215	1300	1750	20
170M3690	170M3740			80	420	2500	3350	25
170M3691	170M3741			100	750	4450	5950	30
170M3692	170M3742			125	1450	9000	11,500	35
170M3693	170M3743			160	2600	16,000	21,000	40
170M3694	170M3744			200	5150	31,000	41,000	45
170M3695	170M3745			250	9200	54,500	73,000	55
170M3696	170M3746			315	18,500	115,000	150,000	60
170M3697	170M3747			350	27,000	165,000	220,000	65
170M4688	170M4738	1		160	1900	11,500	15,500	45
170M4689	170M4739			200	3800	22,500	30,000	50
170M4690	170M4740			250	7750	46,000	61,500	60
170M4691	170M4741			315	15,000	90,000	120,000	65
170M4692	170M4742			350	20,000	125,000	165,000	70
170M4693	170M4743			400	29,500	175,000	235,000	75
170M4694	170M4744			450	42,000	250,000	335,000	80
170M4695	170M4745		1100Vac IEC	500	69,500	340,000	N/A	85
170M4696	170M4746			550	95,000	465,000	N/A	95
170M4697	170M4747		1000Vac IEC	630	130,000	660,000	N/A	100
170M5688	170M5738	2	1250Vac (IEC) 1300Vac (UL)	250	6500	38,500	51,500	65
170M5689	170M5739			280	9350	55,500	74,500	70
170M5690	170M5740			315	13,000	77,500	105,000	75
170M5691	170M5741			350	16,500	97,500	135,000	80
170M5692	170M5742			400	23,000	140,000	180,000	85
170M5693	170M5743			450	34,000	205,000	270,000	90
170M5694	170M5744			500	48,000	285,000	380,000	95
170M5695	170M5745			550	62,000	370,000	495,000	100
170M5696	170M5746			630	115,000	575,000	730,000	120
170M5697	170M5747		1100Vac IEC	700	160,000	795,000	N/A	125
170M5698	170M5748			800	245,000	1,200,000	N/A	130
170M5699	170M5749		1000Vac IEC	900	360,000	1,750,000	N/A	135
170M5700	170M5750			1000	480,000	2,350,000	N/A	145
170M6688	170M6738	3	1250Vac (IEC) 1300Vac (UL)	315	9500	58,000	77,500	85
170M6689	170M6739			350	13,500	81,500	110,000	90
170M6690	170M6740			400	19,000	120,000	160,000	95
170M6691	170M6741			450	31,000	185,000	245,000	100
170M6692	170M6742			500	39,000	235,000	310,000	105
170M6693	170M6743			550	55,000	325,000	435,000	110
170M6694	170M6744			630	83,500	495,000	665,000	115
170M6695	170M6745			700	115,000	705,000	940,000	120
170M6696	170M6746		1250Vac (IEC)	800	205,000	995,000	1,300,000	125
170M6697	170M6747			900	305,000	1,500,000	1,900,000	130
170M6698	170M6748		1100Vac (IEC) 1000Vac (UL)	1000	450,000	2,150,000	N/A	135
170M6699	170M6749			1100	575,000	2,800,000	N/A	160
170M6700	170M6750		1000Vac IEC & UL	1250	810,000	3,950,000	N/A	170
170M6701	170M6751			1400	1,250,000	6,000,000	N/A	175

Data Sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Square Body Fuse Links

Size 00, Flush End Contact, 170M Series
690Vac, 25 to 400A



Specifications

Description
Square body flush end contact high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 690Vac (IEC)
Rated Current: 25-400A
Breaking Capacity: 200kA RMS Sym.

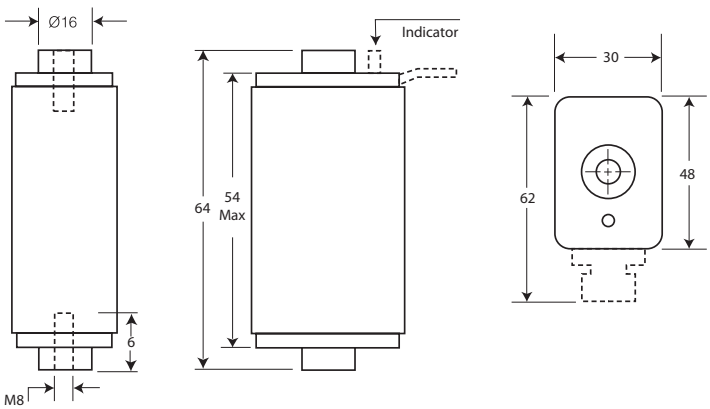
Operating Class
gR (25-80A), aR (100-400A)

Standards/Agency Information
CE, Designed and tested to IEC 60269 Part 4.

Catalogue Numbers

00B/60 Visual Indicator	00BTN/60 Type T Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
					Pre-Arcing	Clearing at 660Vac	
170M2708	170M2758	00	690Vac (IEC)	25	19	130	6
170M2709	170M2759			32	28.5	195	7
170M2710	170M2760			40	50	360	9
170M2711	170M2761			50	95	640	10
170M2712	170M2762			63	170	1200	12
170M2713	170M2763			80	310	2100	15
170M2714	170M2764			100	620	4150	20
170M2715	170M2765			125	1000	6950	25
170M2716	170M2766			160	1900	13,000	30
170M2717	170M2767			200	3400	23,000	35
170M2718	170M2768			250	6250	42,000	45
170M2719	170M2769			315	10,000	68,500	55
170M2720	170M2770			350	13,500	91,500	60
170M2721	170M2771			400	18,000	125,000	70

Dimensions - mm



Data Sheet: 170K6312

Square Body Fuse Links

Size 1* to 3, Flush End Contact, 170M Series
690Vac (IEC), 700Vac (UL), 40 to 2000A



Specifications

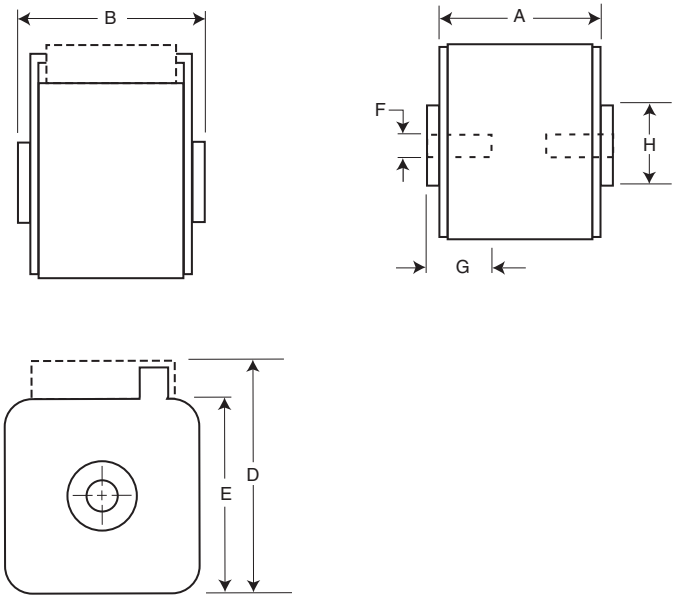
Description
Square body flush end contact high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: see table
Rated Current: 40-2000A
Breaking Capacity: 200kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC 60269 Part 4. Consult Cooper Bussmann for UL Recognition, CSA Component Acceptance Status and CCC approvals.

Dimensions - mm



Type -B/-, -BKN/-, -G/-, -GKN/-

Size	A	B	D[3]	E	F	F[1] (in)	G	H
1*	50	51	59	45	M8	5/16" -18 UNC-2B	5	N17
1	50	51	69	53	M8	5/16" -18 UNC-2B	8	N20
2	50	51[2]	77	61	M10	3/8" -16 UNC-2B	10	N24
3	51	53[2]	92	76	M12	1/2" -13 UNC-2B	10	N30

[1] Valid for fuse links type -G- & -GKN/.
[2] B = 65 for size 2 1100 and 1250A / size 3 from 1600 to 2000A.
[3] Valid for fuse links type -BKN/ and -GKN/.

Data Sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Square Body Fuse Links

Size 1* to 3, Flush End Contact, 170M Series

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

Catalogue Numbers

-B/- Visual Indicator	-BKN/- Type K Indicator for Micro	-G/- Visual Indicator	-GKN/- Type K Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I²t (A² Sec)		Watts Loss (W)
							Pre-Arcing	Clearing at 660Vac	
170M3408	170M3458	170M3508	170M3558	1*	690Vac (IEC) 700Vac (UL)	40	40	270	9
170M3409	170M3459	170M3509	170M3559			50	77	515	11
170M3410	170M3460	170M3510	170M3560			63	115	770	14
170M3411	170M3461	170M3511	170M3561			80	185	1250	18
170M3412	170M3462	170M3512	170M3562			100	360	2450	21
170M3413	170M3463	170M3513	170M3563			125	550	3700	26
170M3414	170M3464	170M3514	170M3564			160	1100	7500	30
170M3415	170M3465	170M3515	170M3565			200	2200	15,000	35
170M3416	170M3466	170M3516	170M3566			250	4200	28,500	40
170M3417	170M3467	170M3517	170M3567			315	7000	46,500	50
170M3418	170M3468	170M3518	170M3568			350	10,000	68,500	55
170M3419	170M3469	170M3519	170M3569			400	15,000	105,000	60
170M3420	170M3470	170M3520	170M3570			450	21,000	140,000	65
170M3421	170M3471	170M3521	170M3571			500	27,000	180,000	70
170M3422	170M3472	170M3522	170M3572			550	34,000	230,000	75
170M3423	170M3473	170M3523	170M3573			630	48,500	325,000	80
170M4408	170M4458	170M4508	170M4558	1		200	1650	11,500	45
170M4409	170M4459	170M4509	170M4559			250	3100	21,000	55
170M4410	170M4460	170M4510	170M4560			315	6200	42,000	58
170M4411	170M4461	170M4511	170M4561			350	8500	59,000	60
170M4412	170M4462	170M4512	170M4562			400	13,500	91,500	65
170M4413	170M4463	170M4513	170M4563			450	17,000	120,000	70
170M4414	170M4464	170M4514	170M4564			500	25,000	170,000	72
170M4415	170M4465	170M4515	170M4565			550	34,000	230,000	75
170M4416	170M4466	170M4516	170M4566			630	52,000	350,000	80
170M4417	170M4467	170M4517	170M4567			700	69,500	465,000	85
170M4418	170M4468	170M4518	170M4568			800	105,000	725,000	95
170M4419	170M4469	170M4519	170M4569		550Vac (IEC)	900	155,000	850,000	100
170M5408	170M5458	170M5508	170M5558	2	690Vac (IEC) 700Vac (UL)	400	11,000	74,000	65
170M5409	170M5459	170M5509	170M5559			450	15,500	105,000	70
170M5410	170M5460	170M5510	170M5560			500	21,500	145,000	75
170M5411	170M5461	170M5511	170M5561			550	28,000	190,000	80
170M5412	170M5462	170M5512	170M5562			630	41,000	275,000	90
170M5413	170M5463	170M5513	170M5563			700	60,500	405,000	95
170M5414	170M5464	170M5514	170M5564			800	86,000	575,000	105
170M5415	170M5465	170M5515	170M5565			900	125,000	840,000	110
170M5416	170M5466	170M5516	170M5566			1000	180,000	1,250,000	115
170M5417	170M5467	170M5517	170M5567		600Vac (IEC) 700Vac (UL)	1100	245,000	1,600,000	120
170M5418	170M5468	170M5518	170M5568			1250	365,000	2,400,000	130
170M6408	170M6458	170M6508	170M6558	3	690Vac (IEC) 700Vac (UL)	500	14,000	95,000	95
170M6409	170M6459	170M6509	170M6559			550	19,500	135,000	100
170M6410	170M6460	170M6510	170M6560			630	31,000	210,000	105
170M6411	170M6461	170M6511	170M6561			700	44,500	300,000	110
170M6412	170M6462	170M6512	170M6562			800	69,500	465,000	115
170M6413	170M6463	170M6513	170M6563			900	100,000	670,000	120
170M6414	170M6464	170M6514	170M6564			1000	140,000	945,000	125
170M6415	170M6465	170M6515	170M6565			1100	190,000	1,300,000	130
170M6416	170M6466	170M6516	170M6566			1250	290,000	1,950,000	140
170M6417	170M6467	170M6517	170M6567			1400	370,000	2,450,000	155
170M6418	170M6468	170M6518	170M6568			1500	460,000	3,100,000	160
170M6419	170M6469	170M6519	170M6569			1600	580,000	3,900,000	160
170M6420	170M6470	170M6520	170M6570		600Vac (IEC)/500Vac (UL)	1800	880,000	5,250,000	165
170M6421	170M6471	170M6521	170M6571		550Vac (IEC)/500Vac (UL)	2000	1,150,000	6,350,000	175

Data Sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Square Body Fuse Links

Size 1* to 3, Flush End Contact, 170M Series
1000Vac (IEC and UL), 50 to 1400A



Specifications

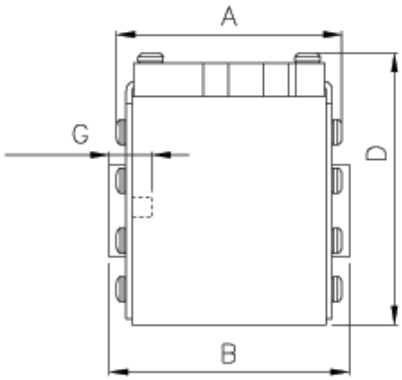
Description
Square body flush end contact high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

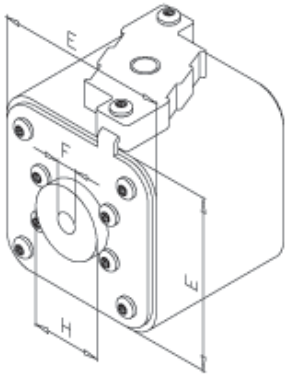
Technical Data
Rated Voltage: 1000Vac (IEC, 50-1250A),
1000Vac (UL, 250-1100A)
900Vac (IEC, 1400A)
Rated Current: 50-1400A
Breaking Capacity: 125kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC 60269 Part 4, UL Recognised for size 2 and 3 (only up to 1100A)

Dimensions - mm





Type -BKN/- and -GKN/-

Size	Type	A	B	D (max)	E	F	F[1] (in)	G (min)	H
1*	BKN/75 + GKN/75	72.5	74	61	43	M8	5/16"-18 UNC-2B	5	17.5
1	BKN/75 + GKN/75	73.2	74	69	52	M8	5/16" 18 UNC-2B	8	20
2	BKN/75 + GKN/75	73.2	74.4	77	59	M10	3/8" 16 UNC-2B	10	24.5
3	BKN/75 + GKN/75	73.3	75.4	92	74	M12	1/2" 13 UNC-2B	10	30
3	BKN/90 + GKN/90	80.3	91.4	92	74	M12	1/2"-13 UNC-2B	10	30

[1] Valid for fuses type -GKN/-.

Data Sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Square Body Fuse Links

Size 1* to 3, Flush End Contact, 170M Series

1000Vac (IEC and UL), 50 to 1400A

Catalogue Numbers

-BKN/- Type K Indicator for Micro	-GKN/- Type K Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
					Pre-Arcing	Clearing at Rated Voltage	
170M3951	170M3921	1*	1000Vac (IEC)	50	135	815	20
170M3952	170M3922			63	215	1300	25
170M3953	170M3923			80	460	2750	30
170M3954	170M3924			100	860	5100	35
170M3955	170M3925			125	1450	8600	40
170M3956	170M3926			160	2850	17,500	45
170M3957	170M3927			200	4950	29,500	50
170M3958	170M3928			250	9550	57,000	55
170M3959	170M3929			315	21,500	130,000	65
170M3960	170M3930			350	29,000	175,000	70
170M3961	170M3931			400	42,000	250,000	75
170M4951	170M4921	1		160	2200	13,500	40
170M4952	170M4922			200	4150	24,500	45
170M4953	170M4923			250	7750	46,000	52
170M4954	170M4924			315	16,500	98,500	60
170M4955	170M4925			350	21,500	130,000	65
170M4956	170M4926			400	31,000	185,000	70
170M4957	170M4927			450	44,500	265,000	80
170M4958	170M4928			500	63,000	375,000	85
170M4959	170M4929			550	84,500	500,000	90
170M4960	170M4930			630	125,000	755,000	98
170M5952	170M5922	2	1000Vac (IEC/UL)	250	6750	40,000	65
170M5953	170M5923			315	13,500	81,500	75
170M5954	170M5924			350	16,500	99,000	80
170M5955	170M5925			400	26,000	155,000	85
170M5956	170M5926			450	35,500	210,000	90
170M5957	170M5927			500	49,500	295,000	95
170M5958	170M5928			550	66,000	390,000	100
170M5959	170M5929			630	93,500	555,000	110
170M5960	170M5930			700	130,000	770,000	115
170M5961	170M5931			800	195,000	1,200,000	125
170M8600	170M8500	3		315	9200	54,500	90
170M8601	170M8501			350	13,000	77,500	95
170M8602	170M8502			400	19,000	115,000	105
170M8603	170M8503			450	27,000	160,000	107
170M8604	170M8504			500	37,500	225,000	110
170M8605	170M8505			550	52,000	310,000	115
170M8606	170M8506			630	82,500	490,000	120
170M8607	170M8507			700	115,000	700,000	125
170M8608	170M8508			800	170,000	1,050,000	135
170M8609	170M8509			900	250,000	1,500,000	145
170M8610	170M8510			1000	340,000	2,050,000	150
170M8611	170M8511			1100	460,000	2,750,000	155
170M8612[1]	170M8512[1]		1000Vac (IEC)	1250	575,000	3,400,000	175
170M8613[1]	170M8513[1]		900Vac (IEC)	1400	795,000	4,200,000	185

[1] Overall length is 90mm, for all other fuse links the overall length is 75mm.

Data Sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Square Body Fuse Links

Size 1* to 3, Flush End Contact, 170M Series
1250Vac (IEC), 1300Vac (UL), 50 to 1400A



Specifications

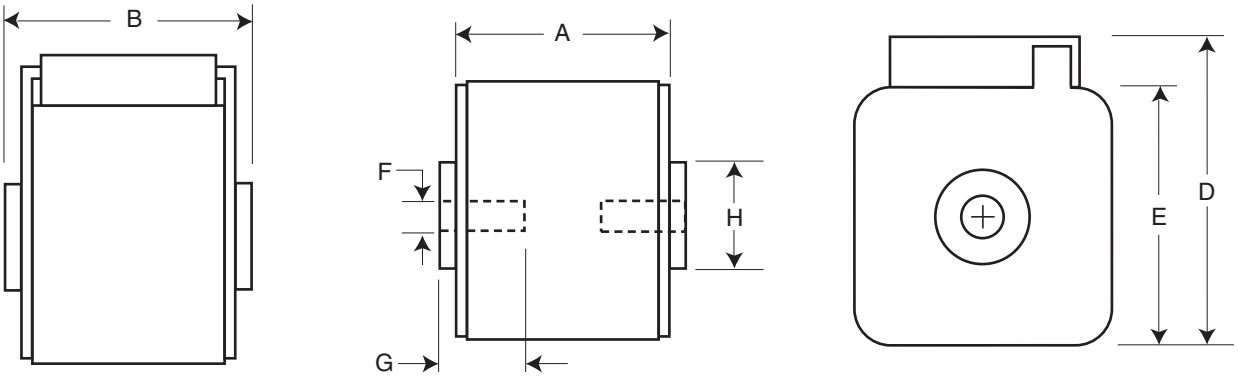
Description
Square body flush end contact high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters.

Technical Data
Rated Voltage: 1250Vac (IEC),1300Vac (UL)
Rated Current: 50-1400A
Breaking Capacity: 100kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC 60269 Part 4. Consult Cooper Bussmann for UL Recognition/CSA Component Acceptance Status.

Dimensions - mm



Type -BKN/- and -GKN/-

Size	Type	A	B	D	E	F	F[1] (in)	Min G	H
1*	BKN + GKN/75	74	75	59	45	M8	5/16" -18 UNC-2B	5	Ø17
1*	BKN/80	80	81	59	45	M8		5	Ø17
1	BKN + GKN/75	74	75	69	53	M8	5/16" -18 UNC-2B	8	Ø20
1	BKN/80	80	81	69	53	M8		8	Ø20
2	BKN + GKN/75	74	75	77	61	M10	3/8" -16 UNC-2B	10	Ø24
2	BKN/80	80	81	77	61	M10		10	Ø24
2	BKN + GKN/90	80	91	77	61	M10	3/8" -16 UNC-2B	10	Ø24
3	BKN + GKN/75	74	76	92	76	M12	1/2" -13 UNC-2B	10	Ø30
3	BKN/80	81	83	92	76	M12		10	Ø30
3	BKN + GKN/90	81	91	92	76	M12	1/2" -13 UNC-2B	10	Ø30

[1] Valid for fuses type -GKN/-.

Data Sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Square Body Fuse Links

Size 1* to 3, Flush End Contact, 170M Series

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

Catalogue Numbers

-BKN/75 Type KI Indicator for Micro	-BKN/80 Type K Indicator for Micro	-BKN/90 Type K Indicator for Micro	-GKN/75 Type K Indicator for Micro	-GKN/90 Type K Indicator for Micro	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I²t (A² Sec) Pre-Arcing	I²t (A² Sec) Clearing at 1000Vac	I²t (A² Sec) Clearing at 1250Vac	Watts Loss (W)
170M3388	170M3438		170M3488		1*	1250Vac (IEC) 1300Vac (UL)	50	135	815	1100	15
170M3389	170M3439		170M3489				63	215	1300	1750	20
170M3390	170M3440		170M3490				80	420	2500	3350	25
170M3391	170M3441		170M3491				100	750	4450	5950	30
170M3392	170M3442		170M3492				125	1450	9000	11,500	35
170M3393	170M3443		170M3493				160	2600	16,000	21,000	40
170M3394	170M3444		170M3494				200	5150	31,000	41,000	45
170M3395	170M3445		170M3495				250	9200	54,500	73,000	55
170M3396	170M3446		170M3496				315	18,500	115,000	150,000	60
170M3397	170M3447		170M3497				350	27,000	165,000	220,000	65
	170M3448						400	53,000	265,000	335,000	70
170M4388	170M4438		170M4488		1		160	1900	11,500	15,500	45
170M4389	170M4439		170M4489				200	3800	22,500	30,000	50
170M4390	170M4440		170M4490				250	7750	46,000	61,500	60
170M4391	170M4441		170M4491				315	15,000	90,000	120,000	65
170M4392	170M4442		170M4492				350	20,000	125,000	165,000	70
170M4393	170M4443		170M4493				400	29,500	175,000	235,000	75
170M4394	170M4444		170M4494				450	42,000	250,000	335,000	80
170M4395[4]	170M4445		170M4495[4]				500	69,500	340,000	435,000	85
170M4396[5]	170M4446		170M4496[5]				550	95,000	465,000	590,000	95
170M4397[5]	170M4447[4]		170M4497[5]				630	130,000	660,000	N/A	110
170M5388	170M5438		170M5588		2		250	6500	38,500	51,500	65
170M5389	170M5439		170M5589				280	9350	55,500	74,500	70
170M5390	170M5440		170M5590				315	13,000	77,500	105,000	75
170M5391	170M5441		170M5591				350	16,500	97,500	135,000	80
170M5392	170M5442		170M5592				400	23,000	140,000	180,000	85
170M5393	170M5443		170M5593				450	34,000	205,000	270,000	90
170M5394	170M5444	170M5494	170M5594	170M5644			500	48,000	285,000	380,000	95
170M5395	170M5445	170M5495	170M5595	170M5645			550	62,000	370,000	495,000	100
170M5396[4]	170M5446	170M5496	170M5596[4]	170M5646			630	115,000	575,000	730,000	120
170M5397[5]	170M5447[1]	170M5497	170M5597[5]	170M5647			700	160,000	795,000	1,050,000	125
170M5398[5]	170M5448[2]	170M5498	170M5598[5]	170M5648			800	245,000	1,200,000	1,550,000	130
		170M5499[3]		170M5649[3]			900	360,000	1,750,000	N/A	135
		170M5500[3]		170M5650[3]			1000	480,000	2,350,000	N/A	145
170M6338	170M6538		170M6588		3		315	9500	58,000	77,500	85
170M6339	170M6539		170M6589				350	13,500	81,500	110,000	90
170M6340	170M6540		170M6590				400	19,500	120,000	160,000	95
170M6341	170M6541		170M6591				450	31,000	185,000	245,000	100
170M6342	170M6542		170M6592				500	39,000	235,000	310,000	105
170M6343	170M6543		170M6593				550	55,000	325,000	435,000	110
170M6344	170M6544	170M6494	170M6594	170M6644			630	83,500	495,000	665,000	115
170M6345	170M6545	170M6495	170M6595	170M6645			700	115,000	705,000	940,000	120
170M6346[4]	170M6546	170M6496	170M6596[4]	170M6646			800	205,000	995,000	1,300,000	125
170M6347[5]	170M6547[1]	170M6497	170M6597[5]	170M6647			900	305,000	1,500,000	1,900,000	130
170M6348[5]	170M6548[1]	170M6498	170M6598[5]	170M6648			1000	450,000	2,150,000	2,750,000	135
170M6349[5]	170M6549[2]	170M6499	170M6599[5]	170M6649			1100	575,000	2,800,000	3,600,000	160
		170M6500[3]		170M6650[4]			1250	810,000	3,950,000	N/A	170
		170M6501[3]		170M6651[4]			1400	1,250,000	6,000,000	N/A	175

[1] Rated Voltage 1100Vac (IEC), 1000Vac (UL)
[2] Rated Voltage 1000Vac (IEC and UL)
[3] Rated Voltage 1100Vac (IEC and UL)
[4] Rated Voltage (IEC) 1100Vac
[5] Rated Voltage (IEC) 1000Vac

Data Sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Square Body Fuse Links

Size 4, Flush End Contact, 170M Series
690Vac (IEC), 700Vac (UL), 1000 to 4000A



Specifications

Description
Square body, flush end contact, high speed fuse links, for the protection of power rectifiers.

Technical Data
Rated Voltage: 690Vac (IEC)/700Vac (UL) 1000-3500A
600Vac (IEC and UL, 4000A)
Rated Current: 1000-4000A
Breaking Capacity: 200kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC 60269 Part 4, UL Recognised (1000-4000A).

Catalogue Numbers

-B/65 Visual Indicator	-BKN/65 Type K Indicator	-G/65 Visual Indicator	-GKN/65 Type K Indicator	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
							Pre-Arcing	Clearing at 660Vac	
170M7058	170M7078	170M7098	170M7118	4	690Vac (IEC) 700Vac (UL)	1000	76,000	505,000	175
170M7059	170M7079	170M7099	170M7119			1250	145,000	965,000	195
170M7060	170M7080	170M7100	170M7120			1400	205,000	1,400,000	205
170M7061	170M7081	170M7101	170M7121			1600	305,000	2,050,000	220
170M7062	170M7082	170M7102	170M7122			2000	600,000	3,950,000	245
170M7063	170M7083	170M7103	170M7123			2500	1,200,000	7,800,000	275
170M7064	170M7084	170M7104	170M7124			3000	2,000,000	13,500,000	305
170M7065	170M7085	170M7105	170M7125			3500	3,250,000	22,000,000	325
170M7066	170M7086	170M7106	170M7126		600Vac (IEC & UL)	4000	4,700,000	28,000,000	355

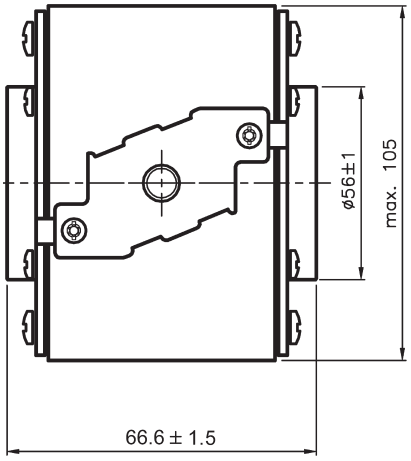
Data Sheet: 170K6328

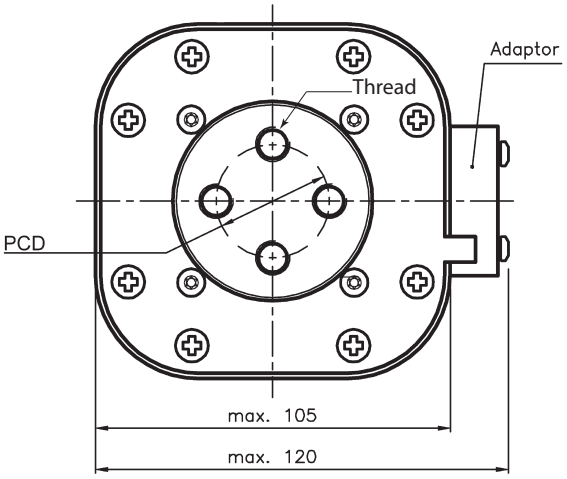
Square Body Fuse Links

Size 4, Flush End Contact, 170M Series
690Vac (IEC), 700Vac (UL), 1000 to 4000A

Dimensions - mm

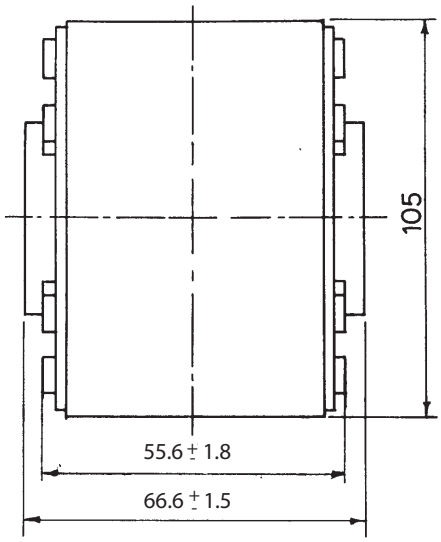
Type -BKN/65, -GKN/65

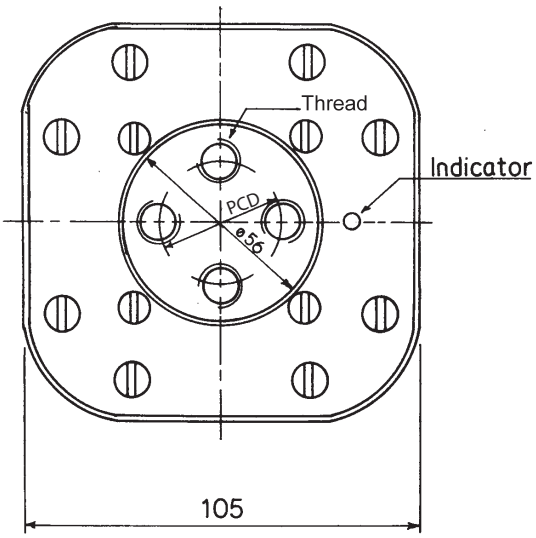




Type	PCD	Thread
-GKN/65	Ø 38.1	UNC ½" - 13
-BKN/65	Ø 33	M-10

Type -B/65, -G/65





	PCD	Thread
-G/65	Ø 38.1	UNC ½" - 13
-B/65	Ø 33	M-10

Data Sheet: 170K6328

Square Body Fuse Links

Size 4, Flush End Contact, 170M Series
1000Vac (IEC), 1000 to 3000A



Specifications

Description
Square body, flush end contact, high speed fuse links, for the protection of power rectifiers.

Technical Data
Rated Voltage: 1000Vac (IEC)
Rated Current: 1000-3000A
Breaking Capacity: 200kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC 60269 Part 4.

Catalogue Numbers

-BKN/95 Type K Indicator	-SBKN/90 Type K Indicator	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
					Pre-Arcing	Clearing at 1000Vac	
	170M7542	4	1000Vac	1000	180,000	1,100,000	195
	170M7031			1100	250,000	1,500,000	200
170M7636	170M7548			1500	600,000	3,600,000	250
170M7639	170M7034			1700	850,000	5,000,000	260
170M7661	170M7053			1800	1,000,000	5,950,000	265
170M7963	170M7544			2000	1,450,000	8,600,000	270
170M7090	170M7035			2200	2,000,000	12,000,000	280
170M7640	170M7036			2500	3,000,000	18,000,000	295
170M7658	170M7037			2700	3,700,000	22,000,000	310
170M7962	170M7156			3000	4,700,000	28,000,000	380

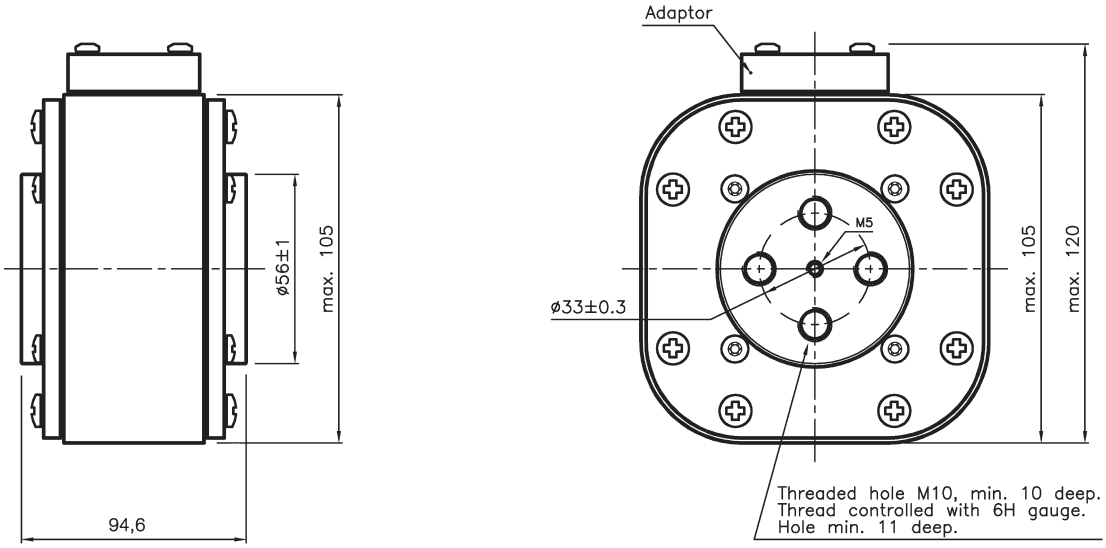
Data Sheets: 170K8520, 170K8520-R

Square Body Fuse Links

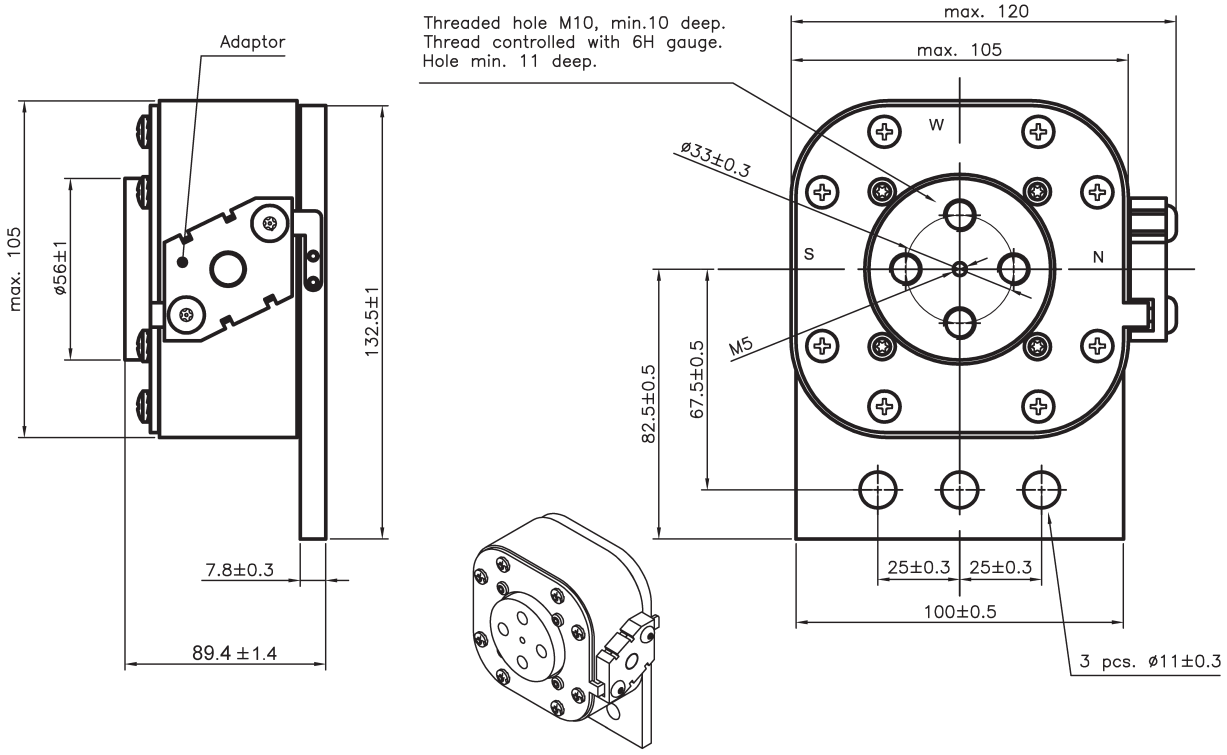
Size 4, Flush End Contact, 170M Series
1000Vac (IEC), 1000 to 3000A

Dimensions - mm

Type 4BKN/95



Type 4SBKN/90



Data Sheets: 170K8520, 170K8520-R

Square Body Fuse Links

Size 4, Flush End Contact, 170M Series
1250Vac (IEC), 1400 to 2500A



Specifications

Description
Square body, flush end contact, high speed fuse links, for the protection of power rectifiers.

Technical Data
Rated Voltage: 1250Vac (IEC)
Rated Current: 1400-2500A
Breaking Capacity: 200kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC 60269 Part 4.

Catalogue Numbers

-BKN/105 Type K Indicator	-SBKN/105 Type K Indicator	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
					Pre-Arcing	Clearing at 1250Vac	
170M7217	170M7512	4	1250Vac (IEC)	1400	800,000	5,000,000	195
170M7597	170M7510			1500	1,000,000	6,200,000	200
170M7676	170M7511			1700	1,400,000	8,700,000	220
170M7532	170M7976			1800	1,700,000	11,000,000	225
170M7633	170M7513			2000	2,300,000	14,500,000	235
170M7592	170M7546			2200	3,100,000	19,500,000	245
170M7107	170M7516			2400	4,000,000	25,000,000	255
170M7595	170M7978			2500	4,500,000	28,000,000	260

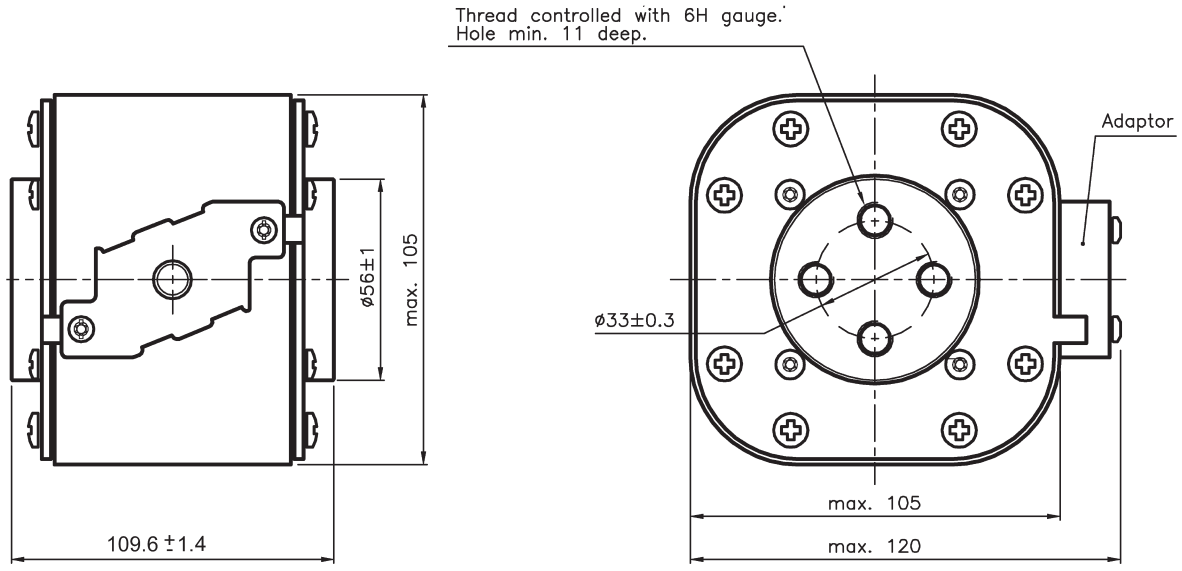
Data Sheets: 170K6640 (up to 2400A), 170K6642 (2500A)

Square Body Fuse Links

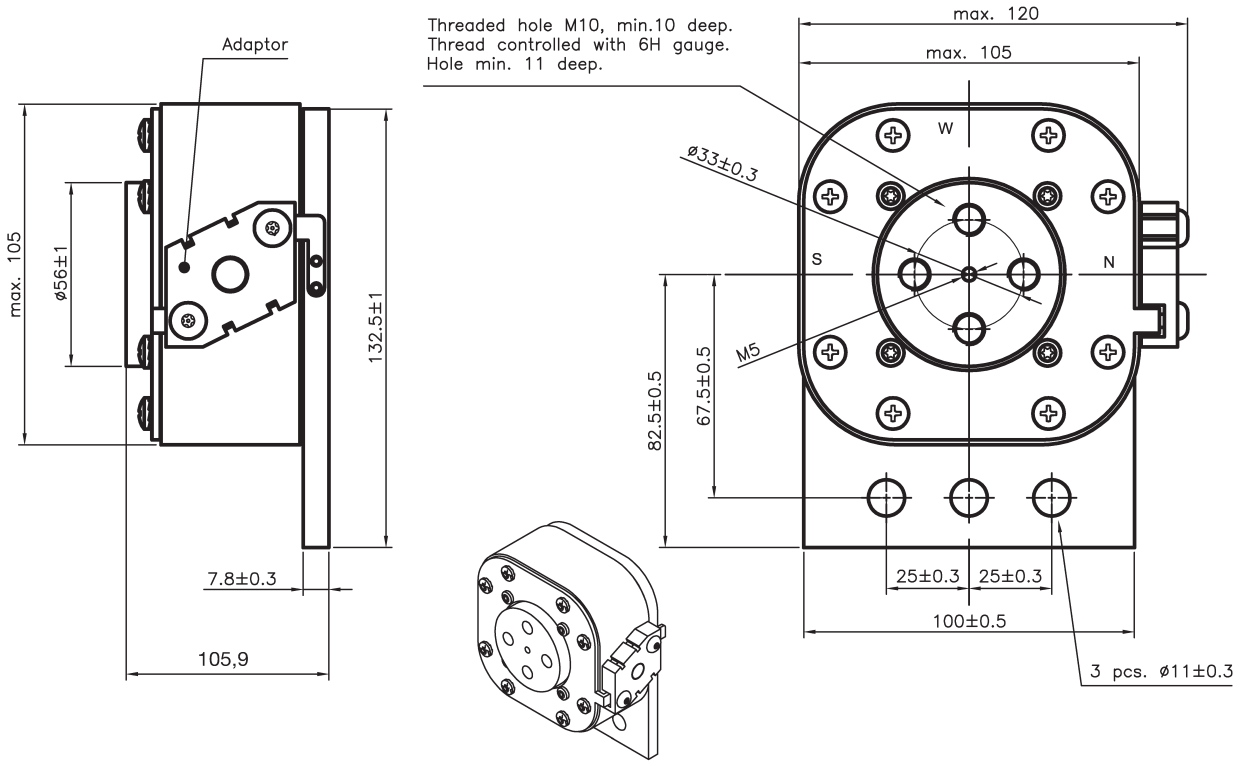
Size 4, Flush End Contact, 170M Series
1250Vac (IEC), 1400 to 2500A

Dimensions - mm

Type 4BKN/105



Type 4SBKN/105



Data Sheets: 170K6640 (up to 2400A), 170K6642 (2500A)

Square Body Fuse Links

Size 23, Flush End Contact, 170M Series
660Vac (IEC), 1000 to 4000A

Specifications

Description
Square body, flush end contact, high speed fuse links, for the protection of power rectifiers.

Technical Data
Rated Voltage: 660Vac (IEC, 1000-3000A)
600Vac (IEC, 3500A)
550Vac (IEC, 4000A)
Rated Current: 1000-4000A
Breaking Capacity: 100kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC 60269 Part 4.

Catalogue Numbers

-BU/55 Visual Indicator	-BKE/55 Type K Indicator	-BKN/55 Type K Indicator	-GU/55 Visual Indicator	-GKE/55 Type K Indicator	-GKN/55 Type K Indicator	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
									Pre-Arcing	Clearing at 660Vac	
170M6858	170M6898	170M6878	170M6918	170M6958	170M6938	23	660Vac (IEC)	1000	79,000	530,000	170
170M6859	170M6899	170M6879	170M6919	170M6959	170M6939			1100	95,000	635,000	185
170M6860	170M6900	170M6880	170M6920	170M6960	170M6940			1250	155,000	1,050,000	190
170M6861	170M6901	170M6881	170M6921	170M6961	170M6941			1400	200,000	1,350,000	210
170M6862	170M6902	170M6882	170M6922	170M6962	170M6942			1500	240,000	1,650,000	215
170M6863	170M6903	170M6883	170M6923	170M6963	170M6943			1600	315,000	2,150,000	220
170M6864	170M6904	170M6884	170M6924	170M6964	170M6944			1800	450,000	3,050,000	230
170M6865	170M6905	170M6885	170M6925	170M6965	170M6945			2000	625,000	4,200,000	240
170M6866	170M6906	170M6886	170M6926	170M6966	170M6946			2200	805,000	5,400,000	255
170M6867	170M6907	170M6887	170M6927	170M6967	170M6947			2500	1,250,000	8,350,000	265
170M6868	170M6908	170M6888	170M6928	170M6968	170M6948			3000	2,250,000	15,500,000	285
170M6869	170M6909	170M6889	170M6929	170M6969	170M6949		600Vac (IEC)	3500	3,450,000	21,000,000	315
170M6870	170M6910	170M6890	170M6930	170M6970	170M6950		550Vac (IEC)	4000	5,000,000	27,500,000	340

When using these fuse links, please consult Bussmann for application assistance at bulehighspeedtechnical@eaton.com.

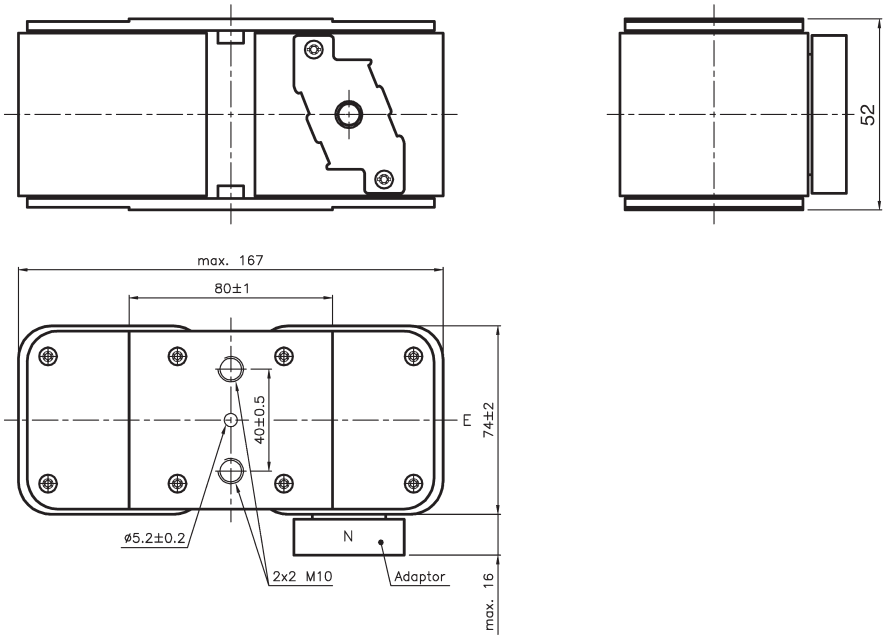
Data Sheet: 170K6326

Square Body Fuse Links

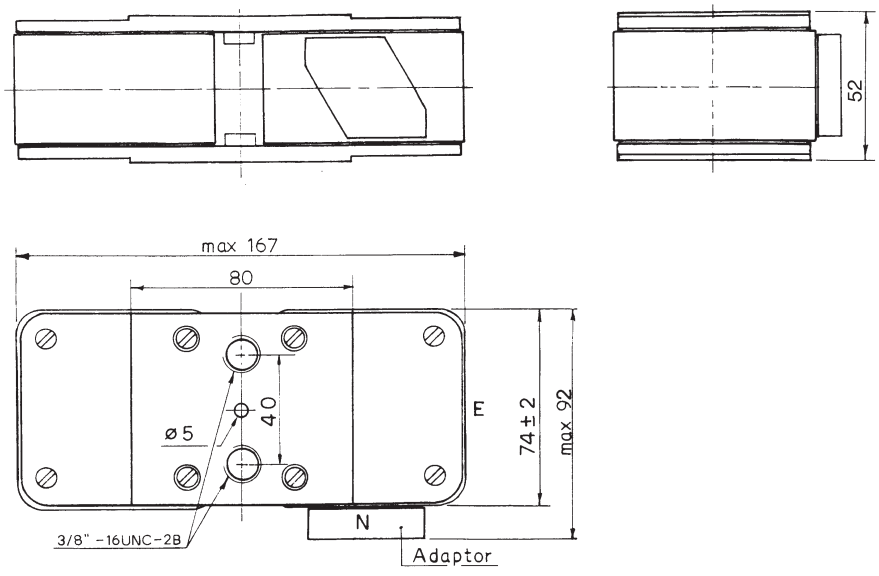
Size 23, Flush End Contact, 170M Series
690Vac (IEC), 1000 to 4000A

Dimensions - mm

Type -BU/55, -BKE/55, -BKN/55



Type -GU/55, -GKE/55, -GKN/55



When using these fuse links, please consult Bussmann for application assistance at bulehighspeedtechnical@eaton.

Data Sheet: 170K6326

Square Body Fuse Links

Size 23, Flush End Contact, 170M Series
1250Vac (IEC), 630 to 2800A

Specifications

Description
Square body, flush end contact, high speed fuse links, for the protection of power rectifiers.

Technical Data
Rated Voltage: 1250Vac (IEC 630 to 2200A)
1100Vac (IEC 2500 and 2800A)
Rated Current: 630-2800A
Breaking Capacity: 125kA RMS Sym.

Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC 60269 Part 4.

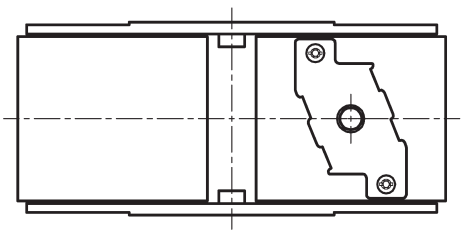
Catalogue Numbers

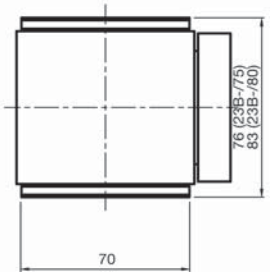
-BU/75 Visual Indicator	-BKE/75 Type K Indicator	-BKN/75 Type K Indicator	-BU/80 Visual Indicator	-BKE/80 Type K Indicator	-BKN/80 Type K Indicator	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec) Pre-Arcing	I^2t (A^2 Sec) Clearing at 1250Vac	Watts Loss (W)
170M6775	170M6795	170M6785				23	1250Vac (IEC)	630	38,000	310,000	170
170M6776	170M6796	170M6786						700	54,000	440,000	180
170M6777	170M6797	170M6787						800	78,000	640,000	190
170M6805	170M6807	170M6806						900	120,000	980,000	200
170M6778	170M6798	170M6788						1000	155,000	1,250,000	210
170M6779	170M6799	170M6789						1100	220,000	1,750,000	220
170M6780	170M6800	170M6790						1250	330,000	2,700,000	230
170M6781	170M6801	170M6791						1400	460,000	3,800,000	240
170M6782	170M6802	170M6792						1600	820,000	5,200,000	250
170M6783	170M6803	170M6793						1800	1,200,000	7,600,000	260
			170M6784	170M6804	170M6794			2000	1,800,000	11,000,000	270
			170M6815	170M6833	170M6827			2200	2,300,000	14,500,000	280
			170M6816	170M6834	170M6828		1100Vac (IEC)	2500	3,200,000	16,000,000[1]	290
			170M6817	170M6835	170M6829			2800	5,000,000	24,000,000[1]	300

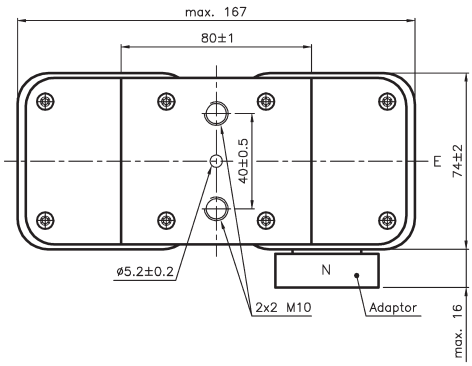
[1] Clearing at 1000V

When using these fuse links, please consult Bussmann for application assistance at bulehighspeedtechnical@eaton.com.

Dimensions - mm







Data Sheet: 170K6638

Square Body Fuse Links

Size 24, Flush End Contact, 170M Series
690Vac (IEC), 2000 to 7500A

Specifications

Description
Square body, flush end contact high speed fuse links, for the protection of power rectifiers.

Technical Data
Rated Voltage: 690Vac (IEC 2000 to 7000A)
500Vac (IEC 7500A)
Rated Current: 2000-7500A
Breaking Capacity: 200kA RMS Sym.

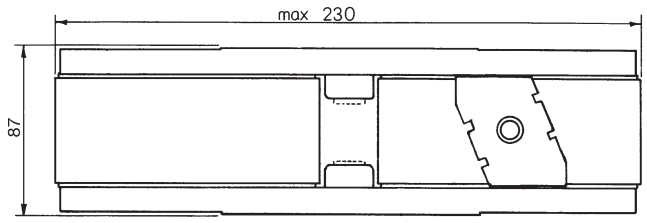
Operating Class: aR

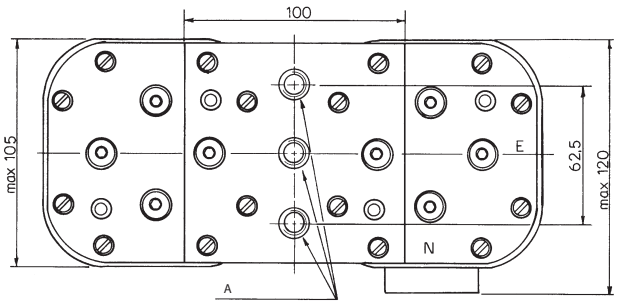
Standards/Agency Information
CE, Designed and tested to IEC 60269 Part 4.

Catalogue Numbers

-BU/60 Without Indicator	-BKN/60 Type K Indicator	-GU/60 Without Indicator	-GKN/60 Type K Indicator	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec) Pre-Arcing	I^2t (A^2 Sec) Clearing at Rated Voltage	Watts Loss (W)
170M7138	170M7158	170M7198	170M7218	24	690Vac (IEC)	2000	340,000	2,300,000	340
170M7139	170M7159	170M7199	170M7219			2500	650,000	4,350,000	390
170M7140	170M7160	170M7200	170M7220			3000	1,100,000	7,300,000	430
170M7141	170M7161	170M7201	170M7221			3500	1,800,000	12,000,000	460
170M7142	170M7162	170M7202	170M7222			4000	2,700,000	18,000,000	490
170M7143	170M7163	170M7203	170M7223			4500	3,800,000	25,500,000	520
170M7144	170M7164	170M7204	170M7224			5000	5,450,000	36,500,000	540
170M7145	170M7165	170M7205	170M7225			5500	7,400,000	49,500,000	560
170M7146	170M7166	170M7206	170M7226			6000	9,600,000	64,000,000	580
170M7147	170M7167	170M7207	170M7227			6500	12,500,000	83,000,000	600
170M7148	170M7168	170M7208	170M7228			7000	15,000,000	100,000,000	630
170M7149	170M7169	170M7209	170M7229		500Vac (IEC)	7500	18,500,000	93,000,000	660

Dimensions - mm





Size	Type	A
24	BKN	2x3 M12
24	GKN	2x3 1/2"-16 UNC-2B

When using these fuse links, please consult Bussmann for application assistance at highspeedtechnical@eaton.com.

Data Sheet: 170K6332

Square Body Fuse Links

Size 24, Flush End Contact, 170M Series
1000Vac (IEC), 2000 to 5000A

Specifications

Description
Square body flush end contact high speed fuse links, for the protection of power rectifiers.

Technical Data
Rated Voltage: 1000Vac (IEC)
Rated Current: 2000-5000A
Breaking Capacity: 300kA RMS Sym.

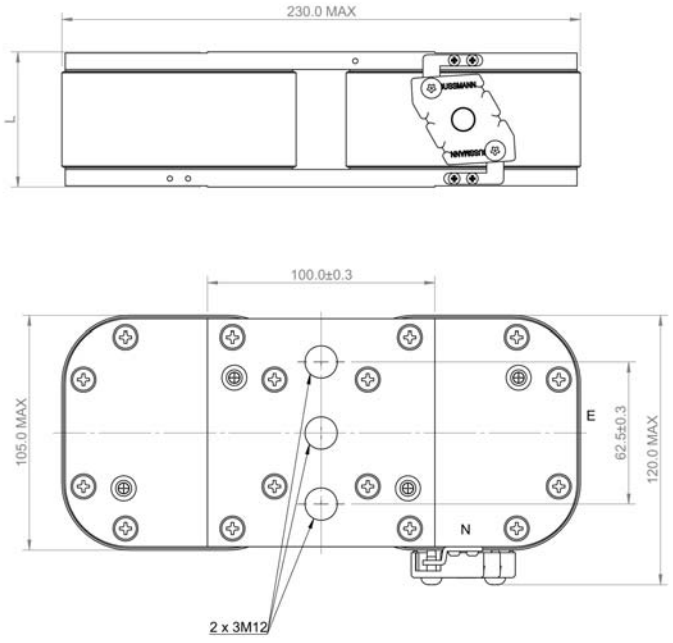
Operating Class: aR

Standards/Agency Information
CE, Designed and tested to IEC 60269 Part 4.

Catalogue Numbers

-BKN/85 Type K Indicator	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
				Pre-Arcing	Clearing at 1000Vac	
170M7608	24	1000Vac (IEC)	2000	885,000	5,700,000	345
170M7680			3000	2,900,000	19,000,000	430
170M7567			3200	3,300,000	20,000,000	440
170M7568			3500	4,500,000	27,000,000	450
170M7569			4000	6,800,000	40,000,000	475
170M7498			4200	8,000,000	47,500,000	485
170M7488			4500	10,000,000	59,000,000	495
170M7622			5000	14,000,000	82,500,000	540

Dimensions - mm



The normal position of the indicator is as shown position N, position E on request only

When using these fuse links, please consult Bussmann for application assistance at highspeedtechnical@eaton.com.

Data Sheets: 170K7540 up to 3000A, 170K8514 3200-5000A

Square Body Fuse Links

Size 5, Flush End Contact, 170M Series
1100-2000Vac (IEC), 1800 to 5500A



Specifications

Description
Square body flush end contact high speed fuse links, for the protection or isolation for components such as diodes, silicon controlled rectifiers (SCRs), Gate Turn-Off Thrystors (GTOs) and IGBTs. Typical application include AC and DC drives, high power rectifiers.

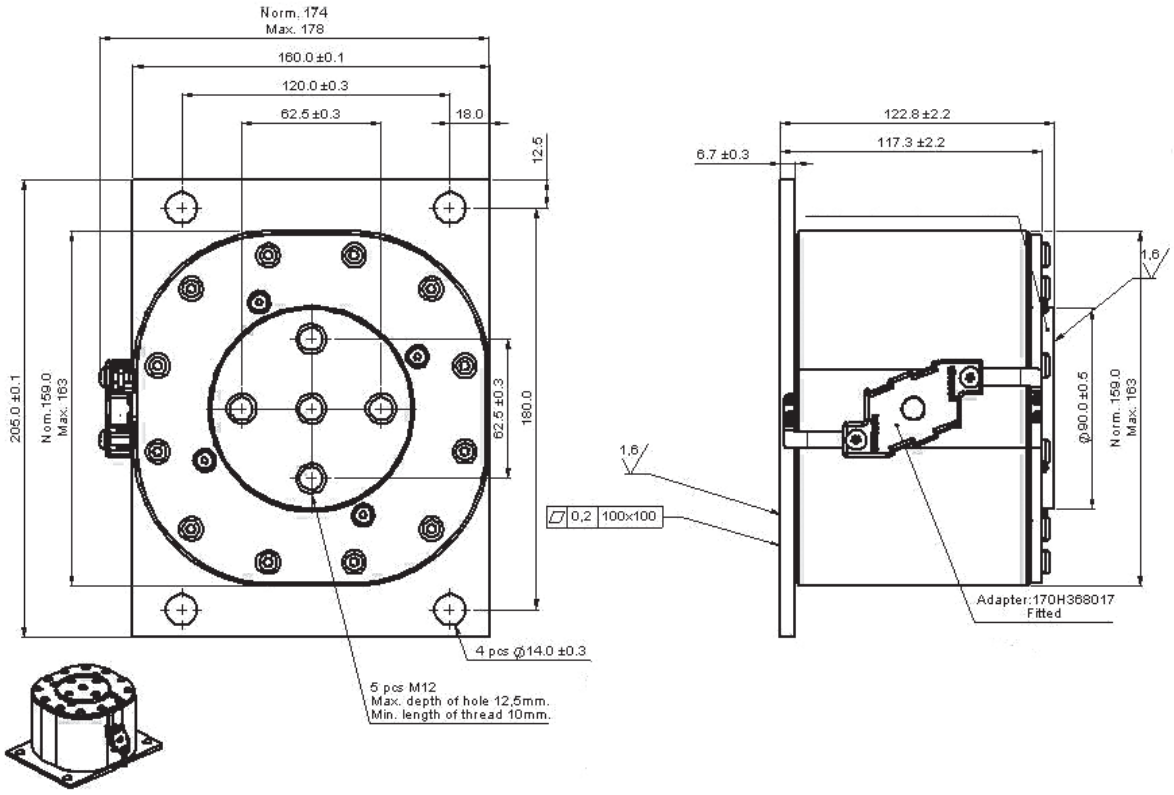
Technical Data
Rated Voltage: 1100-2000Vac (IEC)
Rated Current: 1800-5500A
Breaking Capacity: 300kA RMS Sym. Estimated: 197kA Tested.

Operating Class: aR

Standards/Agency Information
Consult Bussmann bulehighspeedtechnical@eaton.com.

Catalogue Numbers
Consult Bussmann bulehighspeedtechnical@eaton.com.

Dimensions - mm



This dimension drawing is **an example** of the range of size 5 fuse links available.

Drive Fuse Links

DFJ Series

600Vac/450Vdc (UL), 1 to 600A

Specifications



Description

Bolted tags high speed fuse links that provide maximum protection for AC and DC drives and controlers. The DFJ fuse link has the lowest I^2t of any branch circuit fuse to protect power semi-conductor devices that utilise diodes, GTOs, SCRs and SSRs. The DFJ fuse links combine the performance of high speed fuse links and the convenience of Class J branch circuit fuse links, allowing the use of readily available Class J fuse blocks, holders and switches.

Technical Data

Rated Voltage: 600Vac/450Vdc (UL)
Rated Current: 1-600A
Breaking Capacity: 200kA RMS Sym., 100kA DC

Operating Class: aR

Standards/Agency Information

UL Listed, Std 248-8, Class J, Guide JDDZ, File E4273 CSA Certified, C22-2 No 248.8, Class 1422-02, File 53787 meets NEC branch circuit protection.

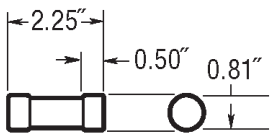
Catalogue Numbers

Catalogue Numbers	Rated Voltage	Rated Current (Amps)
DFJ-1	600Vac/ 450Vdc (UL)	1
DFJ-2		2
DFJ-3		3
DFJ-4		4
DFJ-5		5
DFJ-6		6
DFJ-8		8
DFJ-10		10
DFJ-12		12
DFJ-15		15
DFJ-20		20
DFJ-25		25
DFJ-30		30
DFJ-40		40
DFJ-45		45
DFJ-50		50
DFJ-60		60
DFJ-70		70
DFJ-80		80
DFJ-90		90
DFJ-100		100
DFJ-110		110
DFJ-125		125
DFJ-150		150
DFJ-175		175
DFJ-100		100
DFJ-225		225
DFJ-250		250
DFJ-300		300
DFJ-350		350
DFJ-400		400
DFJ-450		450
DFJ-500		500
DFJ-600		600

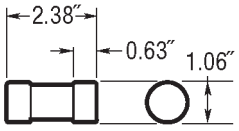
Data Sheet: 1048

Dimensions - in

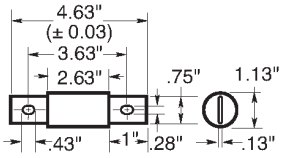
1 to 30A



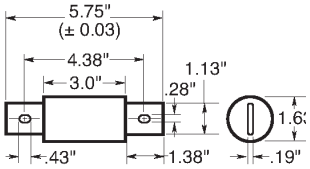
35 to 60A



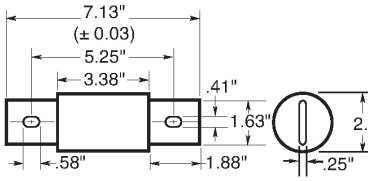
70 to 100A



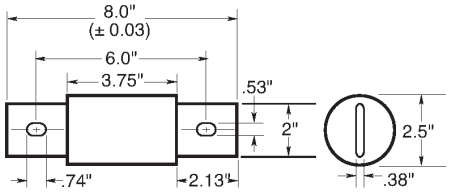
110 to 200A



225 to 400A



450 to 600A



IGBT Fuse Links

Size 000 and 230, 170M Series
750Vdc (IEC), 800Vdc (UL), 25 to 630A



Specifications

Description
Bolted tags high speed fuse links for the protection of IGBT modules, optimised for use in IGBT inverter circuits with DC link voltages up to 750Vdc.
Low inductance ≤ 15nH.

Technical Data
Rated Voltage: 750Vdc tested at 863Vdc according to IEC 60269-4
800Vdc tested at 800Vdc according to UL 248-1
Rated Current: 25-630A
Breaking Capacity: 50kA DC (1ms tc) at 800Vdc

Operating Class: aR

Standards/Agency Information
UL DC Recognised, 800Vdc L/R 1mS min.

Catalogue Numbers

-FU/70	-FN/70	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec) Pre-Arcing	Watts Loss (W)
170M1750	170M1730	000	750Vdc (IEC) 800Vdc (UL)	25	25	12
170M1751	170M1731			32	45	13
170M1752	170M1732			40	75	14
170M1753	170M1733			50	135	16
170M1754	170M1734			63	260	17
170M1755	170M1735			80	460	20
170M1756	170M1736			100	795	25
170M1757	170M1737			125	1300	29
170M1758	170M1738			160	2550	34
170M1759	170M1739			200	4350	40
170M1760	170M1740			250	7400	48
170M1761	170M1741			315	12,500	60
170M1762	170M1742			350	17,000	65
170M1770	170M1785	230		100	380	35
170M1771	170M1786			125	645	42
170M1772	170M1787			160	1350	47
170M1773	170M1788			200	2550	54
170M1774	170M1789			250	4950	62
170M1775	170M1790			315	9350	72
170M1776	170M1791			350	12,000	78
170M1777	170M1792			400	18,500	80
170M1778	170M1793			450	27,000	85
170M1779	170M1794			500	37,500	90
170M1780	170M1795			550	48,500	95
170M1781	170M1796			630	69,500	105

Data Sheets: 170K6422 (Size 000), 170K6426 (Size 230)

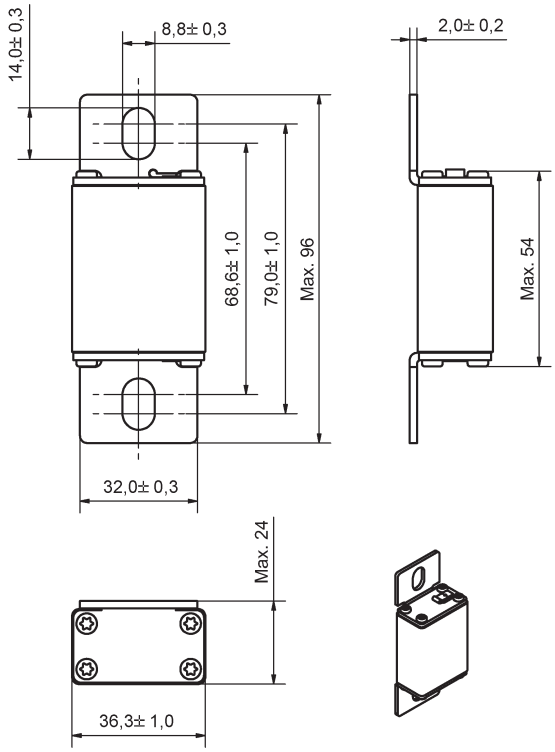
IGBT Fuse Links

Size 000 and 230, 170M Series

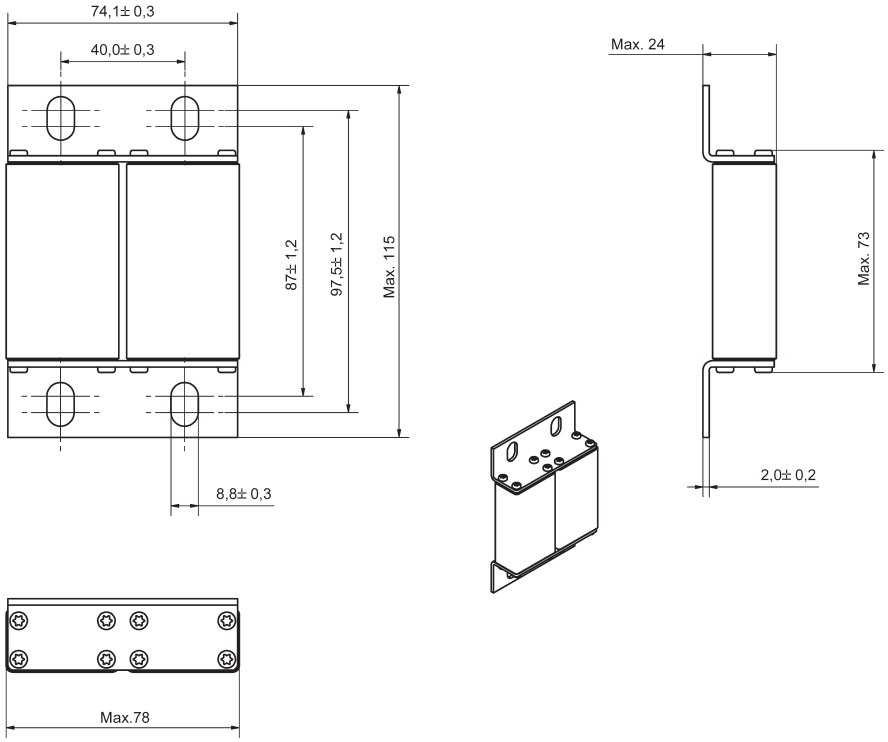
750Vdc (IEC), 800Vdc (UL), 25 to 630A

Dimensions - mm

Size 000



Size 230



Data Sheets: 170K6422 (Size 000), 170K6426 (Size 230)

IGBT Fuse Links

Size 000 and 230, 170M Series
1000Vac/Vdc (IEC and UL), 25 to 500A

Specifications

Description
High speed bolted tags high speed fuse links for the protection of IGBT modules, optimised for use in IGBT inverter circuits with DC link voltages up to 1000Vdc. Low inductance ≤ 20nH.

Technical Data
Rated Voltage: 1000Vdc tested at 1150Vdc according to IEC 60269-4
1000Vdc tested at 1000Vdc according to UL 248-1
Rated Current: 25-500A
Breaking Capacity: 50kA DC (1ms tc)

Operating Class: aR

Standards/Agency Information
UL DC Recognised, 1000Vdc L/R 1mS min.

Catalogue Numbers

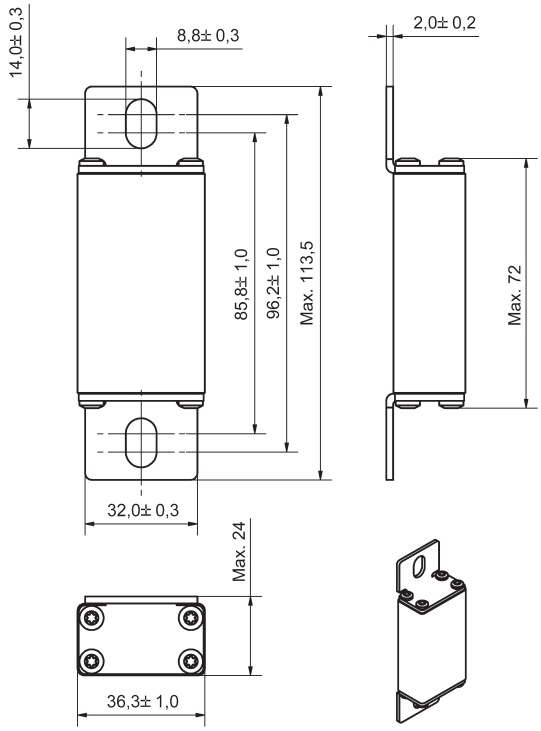
-FU/90	-FN/90	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
					Pre-Arcing	Clearing at 1000Vac	
170M1802	170M1842	000	1000 Vac/Vdc (IEC/UL)	25	19	95	14
170M1803	170M1843			32	34	170	17
170M1804	170M1844			40	61	300	20
170M1805	170M1845			50	135	675	21
170M1806	170M1846			63	245	1200	22
170M1807	170M1847			80	505	2500	27
170M1808	170M1848			100	1050	5150	32
170M1809	170M1849			125	1900	9500	34
170M1810	170M1850			160	4050	20,000	37
170M1811	170M1851			200	8500	42,000	43
170M1812	170M1852			225	12,000	59,000	45
170M1813	170M1853			250	16,000	79,500	48
170M1824	170M1860	230		100	600	3050	38
170M1825	170M1861			125	1200	6050	42
170M1826	170M1862			160	2550	13,000	48
170M1827	170M1863			200	4650	23,000	55
170M1828	170M1864			250	9300	45,500	62
170M1829	170M1865			315	18,500	91,500	68
170M1830	170M1866			350	24,500	125,000	75
170M1831	170M1867			400	37,500	185,000	80
170M1832	170M1868			450	52,000	260,000	85
170M1833	170M1869			500	69,500	340,000	90

Data Sheets: 170K6680 (Size 000), 170K6682 (Size 230)

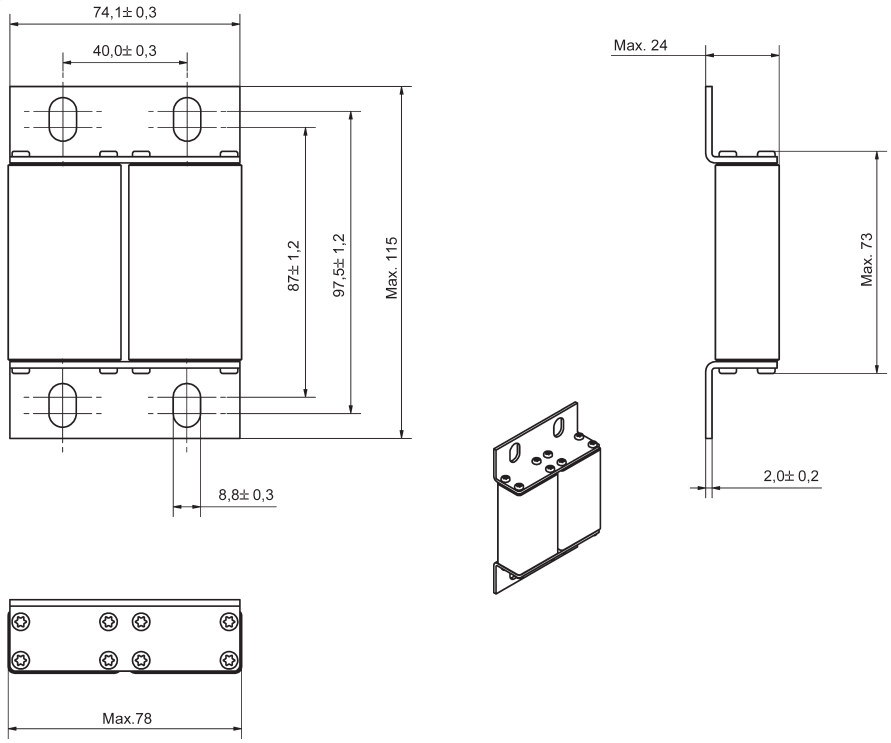
IGBT Fuse Links

Size 000 and 230, 170M Series
1000Vac/Vdc (IEC and UL), 25 to 500A

Dimensions - mm
Size 000



Size 230



Data Sheets: 170K6680 (Size 000), 170K6682 (Size 230)

Traction Fuse Links

Size 1*, 3 and 23 Square Body Fuse Links
750Vdc (IEC), 50A to 1600A



Specifications

Description
Traction flush end square body high speed fuse links for superior protection of DC third rail applications up to 750Vdc.

Technical Data
Rated Voltage: 750Vdc (IEC)
Rated Current: 50-160A, 450-800A and 1000-1600A
Breaking Capacity:
Size 1* 85kA at 750Vdc, L/R 95ms
80kA at 950Vdc, L/R 40ms
Size 3 and 23 110kA at 750Vdc, L/R 40ms

Operating Class
aR size 1*
gR size 3 and 23

Standards/Agency Information
IEC 60269

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2s)		Watts Loss (W)	
					Pre-Arcing	Total at 750Vdc	0.8 I_n	I_n
170M2000	Flush End	1*	750Vdc (IEC)	50	390	1300	15	27
170M2001				63	610	2050	18	35
170M2002				80	670	2250	19	37
170M2003				100	2450	8150	21	40
170M2004				125	2950	9800	24	47
170M2005				160	5500	18,250	29	56
170M2010	Flush End	3		450	65,700	272,300	46	87
170M2011				500	83,200	344,800	52	98
170M2012				550	136,700	566,500	67	126
170M2013				630	173,500	719,000	75	142
170M2014				700	268,000	1,110,500	78	156
170M2015				750	307,600	1,275,000	83	167
170M2016				800	349,900	1,450,000	89	178
170M2017	Parallel	23		1000	476,300	1,973,700	112	187
170M2018				1250	694,000	2,875,800	134	224
170M2019				1400	1,071,600	4,440,500	152	254
170M2020				1500	1,230,200	5,097,700	165	275
170M2021				1600	1,399,700	5,800,100	180	300

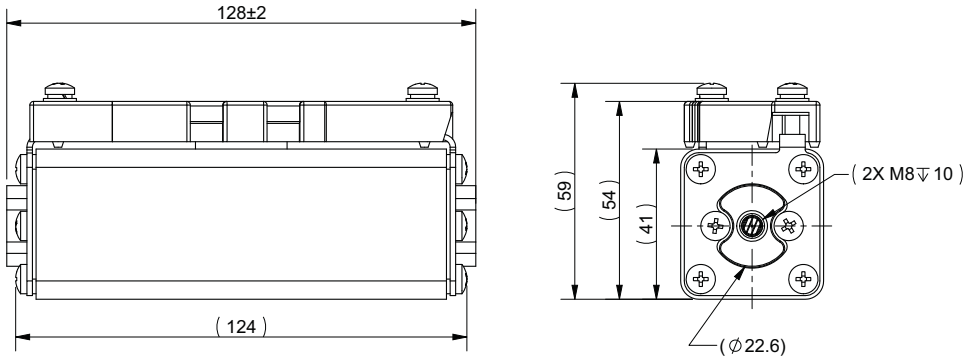
Data Sheet: 720140

Traction Fuse Links

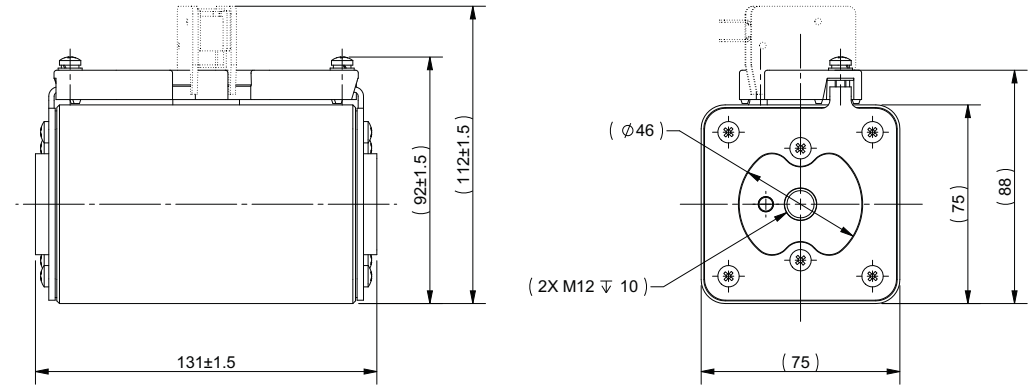
Size 1*, 3 and 23 Square Body Fuse Links
750Vdc (IEC), 50A to 1600A

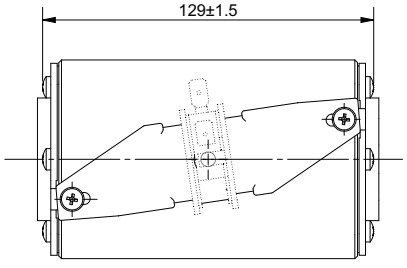
Dimensions - mm

170M2000 to 170M2005 - Flush End - Size 1*



170M2010 to 170M2016 - Flush End - Size 3





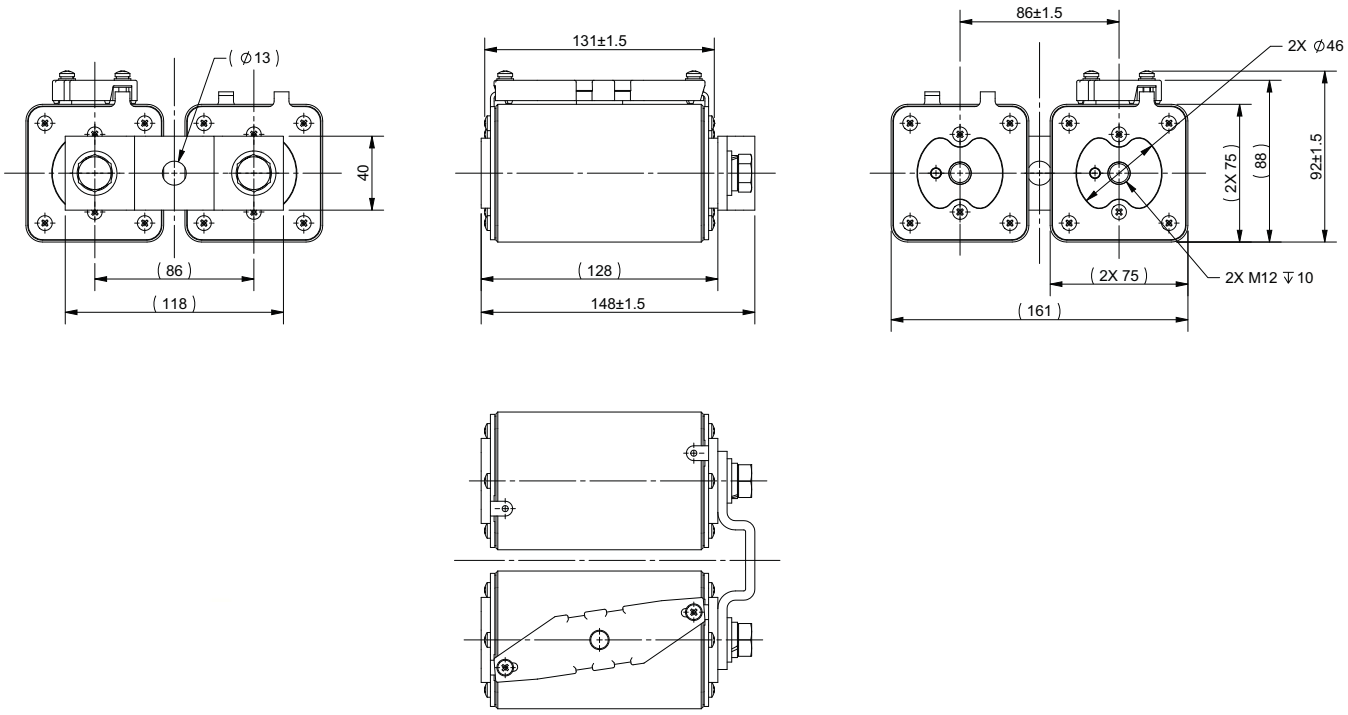
Data Sheet: 720140

Traction Fuse Links

Size 1*, 3 and 23 Square Body Fuse Links
750Vdc (IEC), 50A to 1600A

Dimensions - mm

170M2017 to 170M2021 - Parallel - Size 23



Traction Fuse Links

Size 1*, 1, 2 and 3 Square Body Fuse Links
750Vdc (IEC), 63A to 500A



Specifications

Description
Traction flush end square body high speed fuse links for superior protection of DC third rail applications up to 750Vdc.

Technical Data
Rated Voltage: 750Vdc (IEC)
Rated Current: 63-500A
Rated Breaking Capacity:
100kA at 1000Vdc, L/R 40ms
100kA at 750Vdc, L/R 100ms

Operating Class: gR

Standards/Agency Information
Contact Bussmann bulehighspeedtechnical@eaton.com

Catalogue Numbers

-BK Flush End		-EK Knife Blade		Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2s)	Watts Loss (W)
Catalogue Numbers	Fuse Link Type	Catalogue Numbers	Fuse Link Type				Pre-Arcing	I_n
170E3577	BK/130	170E3583	EK/155	1*	750Vdc (IEC)	63	1100	10
170E3578		170E3584				80	1750	13
170E3579		170E3585				100	3000	16
170E3580		170E3586				125	4500	21
170E3581		170E3587				160	7700	26
170E5417		170E5420	EK/165	1		200	11,000	37
170E5418		170E5421				250	18,000	46
170E8335		170E8345	EK/170	2		250	17,000	47
170E8336		170E8346				315	28,000	57
170E8337		170E8347				400	55,000	73
170E9681		170E9685	EK/170	3		500	75,500	93

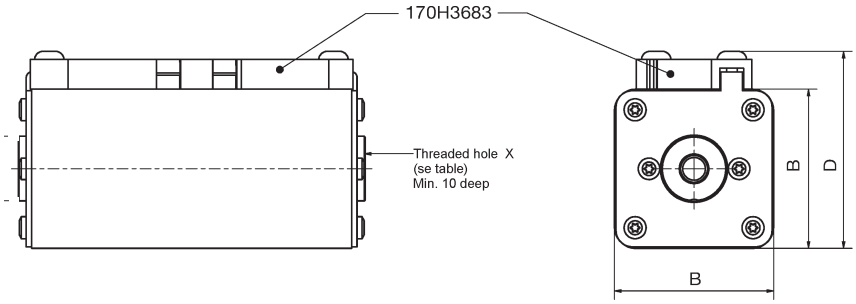
Data Sheets: Size 1* 170K3620, Size 1 170k3622, Size 2 170K3624, Size 3 170K3626

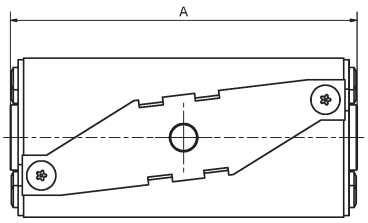
Traction Fuse Links

Size 1*, 1, 2 and 3 Square Body Fuse Links
750Vdc (IEC), 63A to 500A

Dimensions - mm

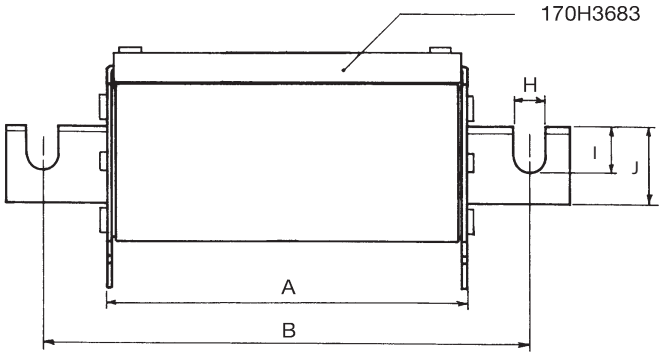
Type –BK/130

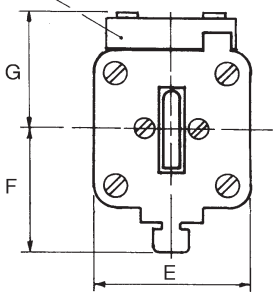


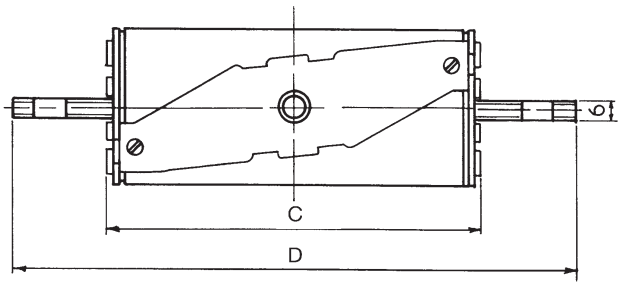


Size/Type	A	B	D	X
1*BK/130	129	43	61	M8
1 BK/130	130	51	69	M8
2 BK/130	130	59	77	M10
3 BK/130	131	74	90	M12

Type –EK/-







Size/Type	A	B	C	D	E	F	G	H	I	J
1*EK/155	124	156	129	180	43	36	41	9	9	18
1 EK/165	124	166	129	191	51	37	41	11	14	25
2 EK/170	124	170	129	205	59	42	48	13	21	30
3 EK/170	125	170	130	206	74	51	56	13	20	36

Data Sheets: Size 1* 170K3620, Size 1 170k3622, Size 2 170K3624, Size 3 170K3626

Traction Fuse Links

Size 4 Square Body Fuse Link
1250Vac/850Vdc (IEC), 1400A



Specifications

Description
Traction flush end square body high speed fuse link suitable for use in third rail collector systems to protect high speed DC breakers in low time constant, high fault conditions. Suitable for 1250Vac/850Vdc systems.

Technical Data
Rated Voltage: 850Vdc/1250Vac (IEC)
Rated Current: 1400A
Tested Breaking Capacity:
100kA at 1250Vac
80kA at 850Vdc, L/R 8ms

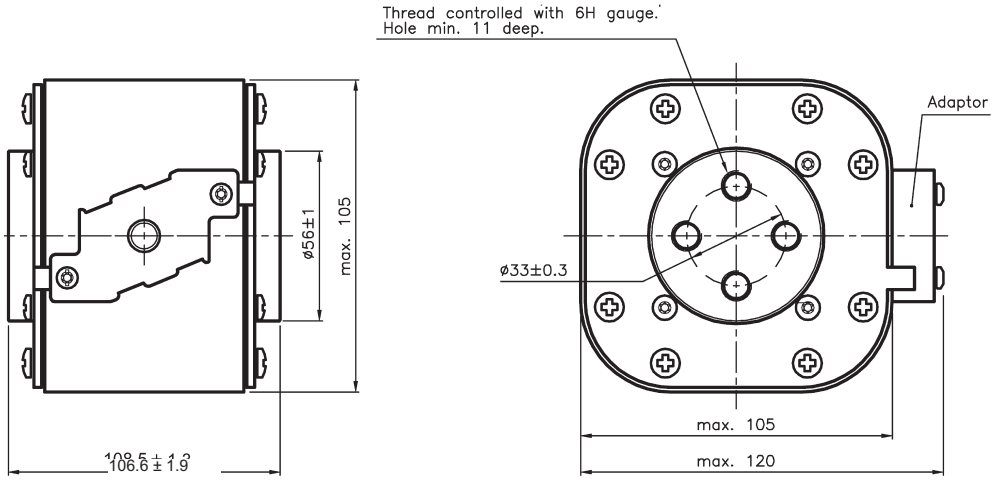
Operating Class: aR

Standards/Agency Information
Contact Bussmann bulehighspeedtechnical@eaton.com.

Catalogue Numbers

Catalogue Numbers	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2s)		Watts Loss (W)
				Pre-Arcing	Total at 1250Vac	
170M7217	4	850Vdc/ 1250Vac (IEC)	1400	800,000	5,000,000	195

Dimensions - mm



Data Sheets: 170K6640, 170K6642

Traction Fuse Links

Size 1* Square Body Fuse Links
1200Vdc (IEC), 20A to 215A



Specifications

Description
Traction bolted tags square body high speed fuse links for superior protection of DC third rail applications up to 1200Vdc.

Technical Data
Rated Voltage: 1200Vdc (IEC)
Rated Current: 20-215A
Tested Breaking Capacity:
50kA at 1350Vdc, L/R 12ms

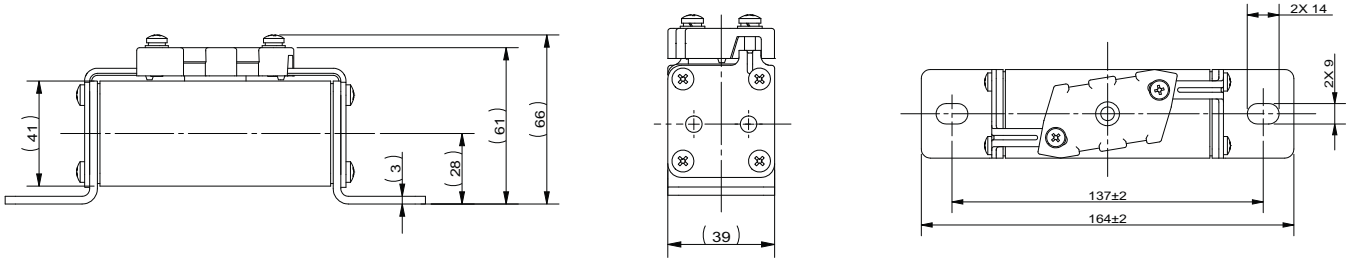
Operating Class: aR

Standards/Agency Information
IEC 60269

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2s)		Watts Loss (W)	
					Pre-Arcing	Total at 1200Vdc	0.8 I_n	I_n
170M2100	Single Slot Tag	1*	1200Vdc (IEC)	20	82	249	1	2
170M2101				25	173	526	4	8
170M2102				32	327	994	5	9
170M2103				40	550	1675	1	9
170M2104				50	950	2890	7	13
170M2105				63	1310	3990	5	9
170M2106				80	1970	6000	13	23
170M2107				100	3800	11,600	14	26
170M2108				125	8550	26,025	13	24
170M2109				160	8770	26,700	24	44
170M2110				200	15,200	46,300	29	52
170M2111				215	16,430	50,000	32	58

Dimensions - mm



Data Sheet: 720141

Traction Fuse Links

Size 2 Square Body Fuse Links
1200Vdc (IEC), 160A to 420A



Specifications

Description
Traction bolted tags square body high speed fuse link for superior protection in DC traction applications up to 1200Vdc

Technical Data
Rated Voltage: 1200Vdc (IEC)
Rated Current: 160-420A
Rated Breaking Capacity:
100kA at 1000Vdc, L/R = 45ms
100kA at 1200Vdc, L/R = 15ms

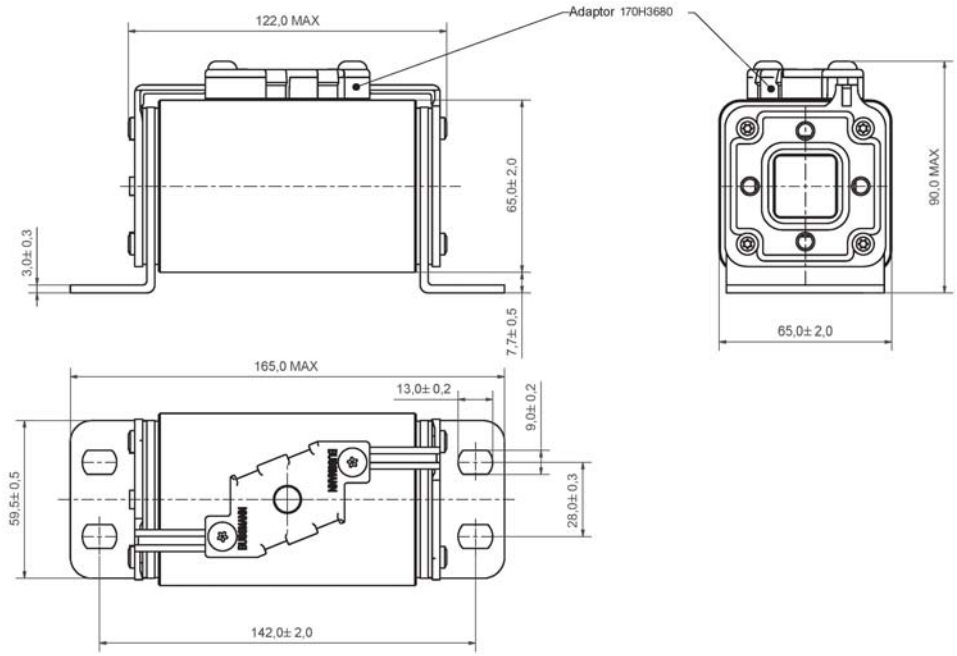
Operating Class: aR

Standards/Agency Information
Consult Bussmann bulehighspeedtechnical@eaton.com.

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2s) 1000Vdc L/R 15ms	I^2t (A^2s) 1000Vdc L/R 45ms	Watts Loss (W)
170F8230	Double slotted tag	2	1200Vdc (IEC)	160	12,000	20,000	75
170F8231				200	20,000	35,000	85
170F8232				250	43,000	75,000	94
170F8233				315	87,000	150,000	104
170F8234				400	180,000	310,000	120
170F8235				420	215,000	375,000	122

Dimensions - mm



Data Sheet: 170K5520

Traction Fuse Links

Size 1* Square Body Fuse Links
2000Vdc (IEC), 10A to 100A



Specifications

Description
Traction bolted tags square body high speed fuse link which provides superior protection in DC traction applications up to 2000Vdc

Technical Data
Rated Voltage: 2000Vdc (IEC)
Rated Current: 10-100A
Tested Breaking Capacity:
40kA at 2000Vdc, L/R 30ms

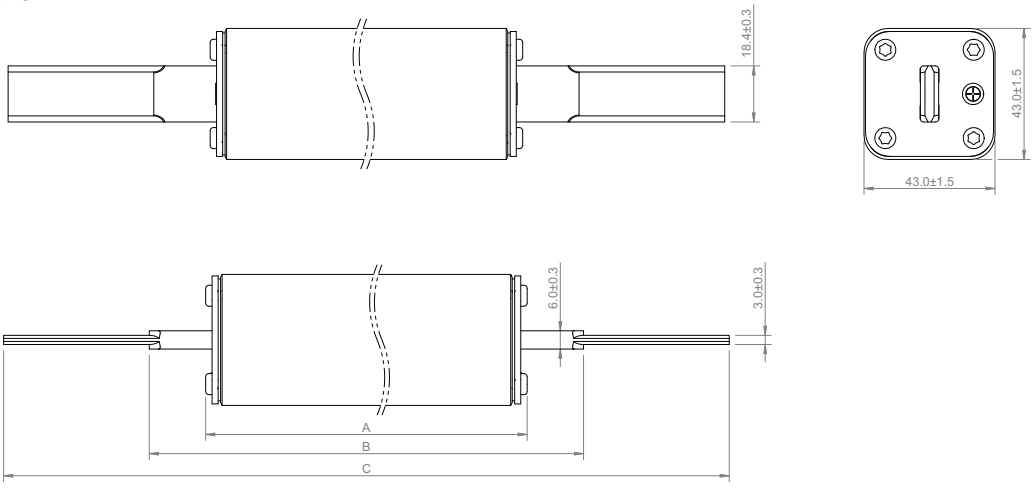
Operating Class: aR

Standards/Agency Information
Consult Bussmann bulehighspeedtechnical@eaton.com.

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Fuse Link Size	Rated Voltage	Rated Current (Amps)	Watts Loss (W)
170E3977	Knife Blade Style	1*	2000Vdc (IEC)	10	7
170E3982				12	8
170E3971				16	11
170E3906				20	13
170E3907				25	17
170E3908				32	22
170E3909				40	27
170E3910				50	34
170E3911				63	43
170E3912				80	50
170E3946				100	61

Dimensions - mm



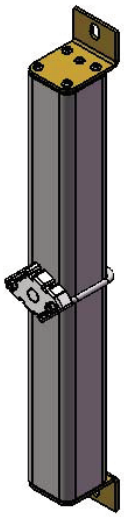
A	B	C
215 ± 2.5	250.5 ± 3.2	345.5 ± 3.5

Data Sheet: 170K4538

Traction Fuse Links

Size 1* Square Body Fuse Links

2000Vdc (IEC), 10A to 125A



Specifications

Description
Traction bolted tags square body high speed fuse link which provides superior protection in DC traction applications up to 2000Vdc

Technical Data
Rated Voltage: 2000Vdc (IEC)
Rated Current: 10-125A
Tested Breaking Capacity:
40kA at 2000Vdc, L/R 30ms

Class of Operation:
aR (170E3937 to 170E3945)/gR (170E3950 to 170E3956 and 170E3970 and 170E3976)

Standards/Agency Information
Consult Bussmann bulehighspeedtechnical@eaton.com.

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Fuse Link Size	Rated Voltage	Rated Current (Amps)	Watts Loss (W)
170E3937	Bolted Blade Style	1*	2000Vdc (IEC)	20	13
170E3938				25	16
170E3939				32	20
170E3940				40	25
170E3941				50	32
170E3942				63	40
170E3943				80	51
170E3944				100	64
170E3945				125	80
170E3976				10	7
170E3970				16	11
170E3950				20	13
170E3951				25	17
170E3952				32	22
170E3953				40	27
170E3954				50	34
170E3955				63	43
170E3956				80	40

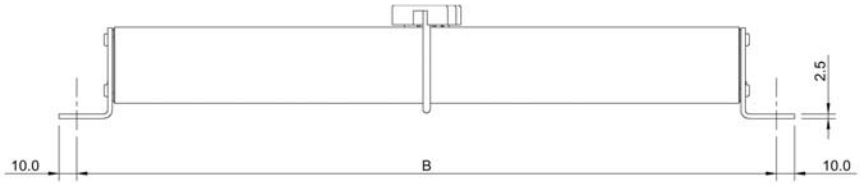
Data Sheets: 170K4538 (IR = 30kA), 170K4900 (IR = 60kA)

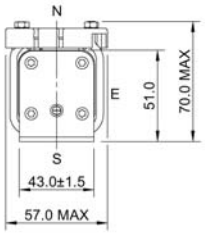
Traction Fuse Links

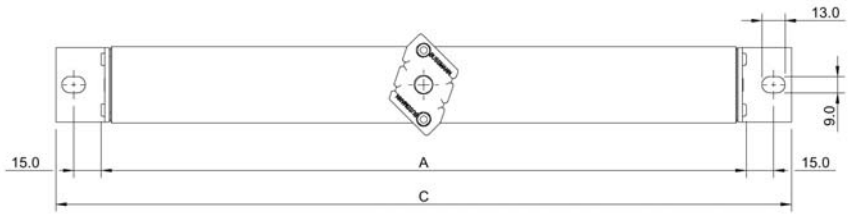
Size 1* Square Body Fuse Links

2000Vdc (IEC), 10A to 125A

Dimensions - mm







A	B	C
217	246	266

Data Sheets: 170K4538 (IR = 30kA), 170K4900 (IR = 60kA)

Traction Fuse Links

Square Body Fuse Links

2000Vdc (IEC), 20A to 600A, 170M Series



Specifications

Description
Traction bolted tags square body high speed fuse links which provides superior protection for DC traction third rail applications up to 2000Vdc.

Technical Data
Rated Voltage: 2000Vdc (IEC)
Rated Current: 20-215A Single slot tag
160-400A Double slot tag
500-600A Parallel double slot tag
Rated Breaking Capacity:
100kA at 2000Vdc, L/R <15ms
100kA at 1500Vdc, L/R <30ms

Operating Class: aR

Standards/Agency Information
Tested in line with IEC 60269.

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Rated Voltage	Rated Current (Amps)	I^2t (A^2s)		Watts Loss (W)	
				Pre-Arcing	Total at 2000V	0.8 I_n	I_n
170M2046	Single Slot Tag	2000Vdc (IEC)	20	85	240	9	12
170M2047			25	130	390	9	16
170M2048			32	220	645	11	18
170M2049			40	390	1140	12	20
170M2050			50	610	1780	17	33
170M2051			63	1030	3000	20	39
170M2052			80	1555	4550	28	53
170M2053			100	2680	7840	33	63
170M2054			125	4110	12,020	42	79
170M2055			160	6620	19,360	45	87
170M2056			200	10,720	31,360	50	95
170M2057			215	21,870	64,000	51	97
170M2039	Double Slot Tag		160	7875	75,960	68	91
170M2040			200	12,300	118,670	85	113
170M2041			250	21,870	211,000	100	133
170M2042			315	38,880	375,110	119	158
170M2043			400	65,710	633,965	148	176
170M2044	Parallel Double Slot Tag		500	105,851	163,010	109	230
170M2045			600	188,179	289,796	153	305

Data Sheet: 720142

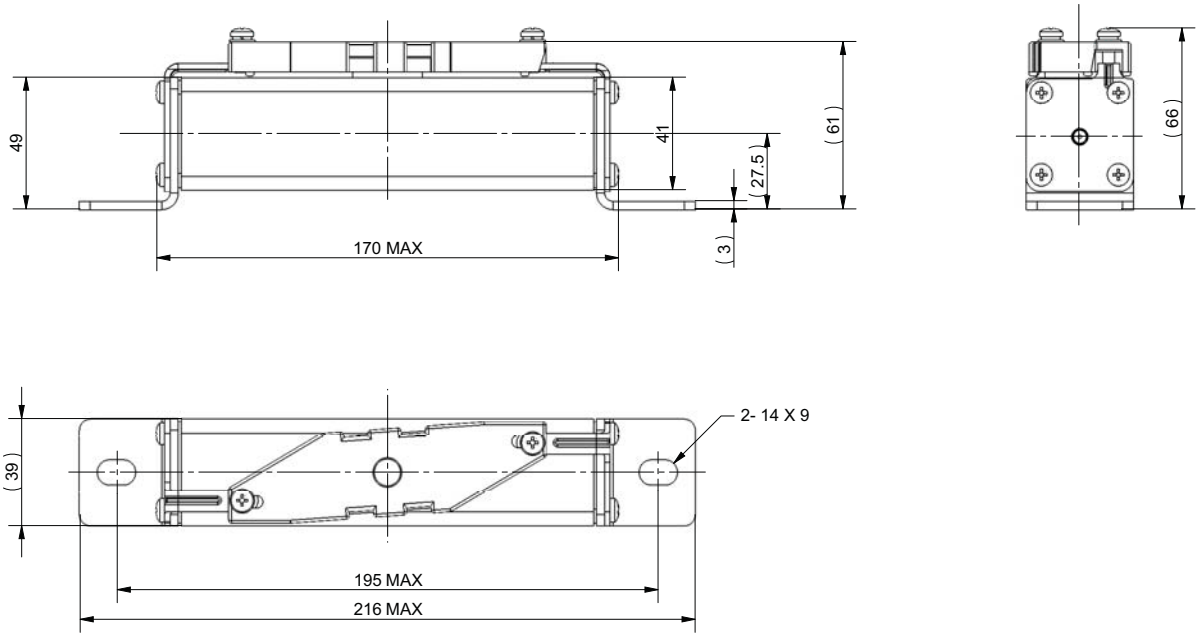
Traction Fuse Links

Square Body Fuse Links

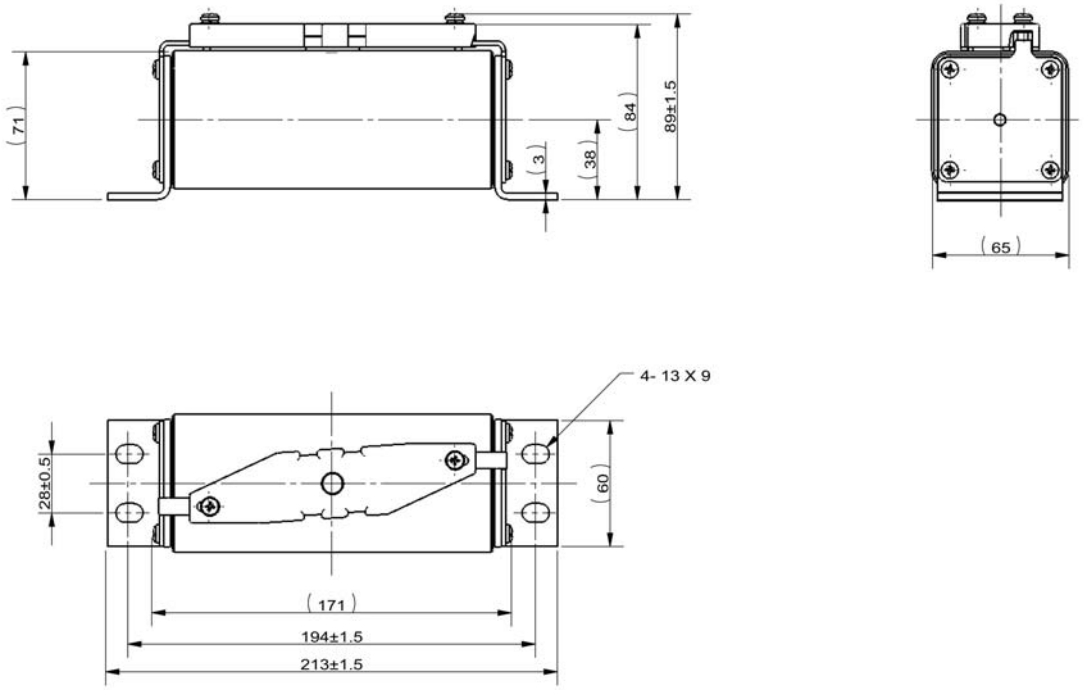
2000Vdc (IEC), 20A to 600A, 170M Series

Dimensions - mm

170M2046 to 170M2057 - Single Slot Tag



170M2039 to 170M2043 - Double Slot Tag



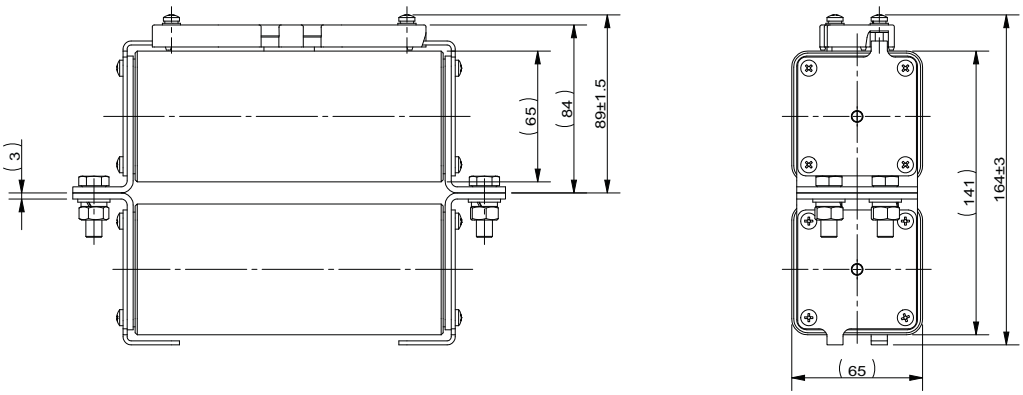
Data Sheet: 720142

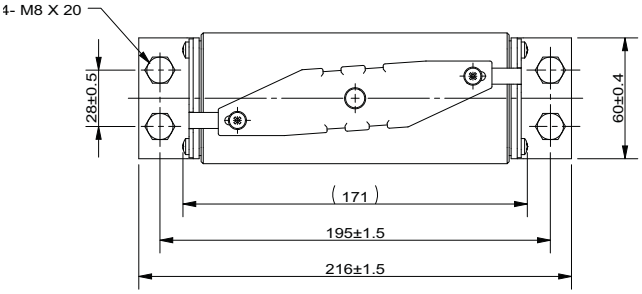
Traction Fuse Links

Square Body Fuse Links
2000Vdc (IEC), 20A to 600A, 170M Series

Dimensions - mm

170M2044 and 170M2045 - Parallel Double Slot Tag





Traction Fuse Links

Size 3 Square Body Fuse Links
2400Vdc (IEC), 100A to 400A, 170M Series



Specifications

Description
Traction bolted tags square body high speed fuse links for superior protection of DC third rail applications up to 2400Vdc.

Technical Data
Rated Voltage: 2400Vdc (IEC)
Rated Current: 100-400A
Tested Breaking Capacity: 100kA at 2400Vdc, L/R<15ms
100kA at 2000Vdc, L/R < 45ms

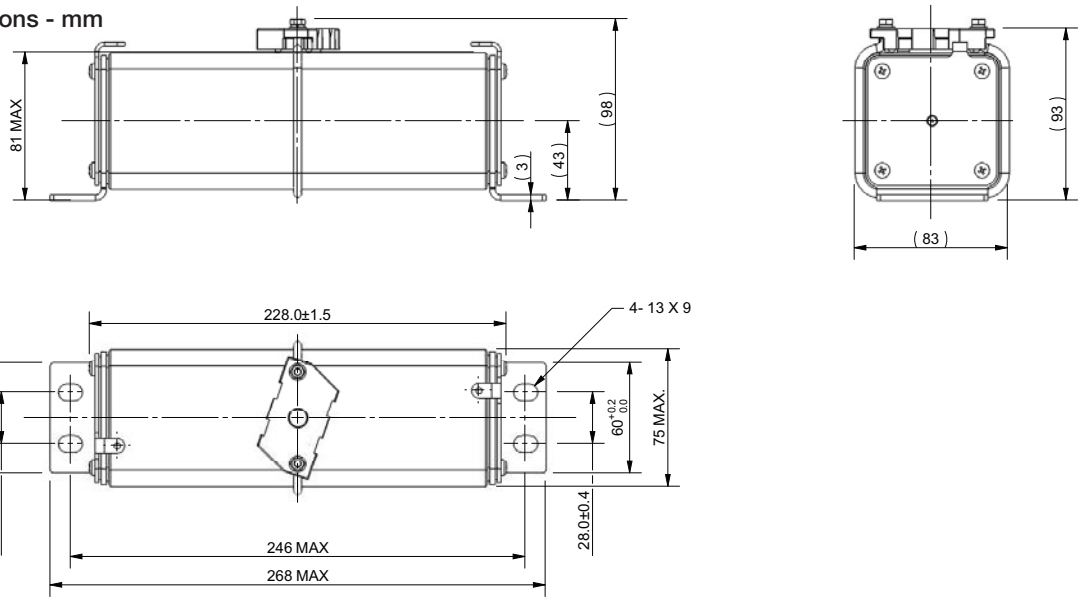
Operating Class: aR

Standards/Agency Information
Tested in line with IEC 60269

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2s)		Watts Loss (W)	
					Pre-Arcing	Total at 2000Vdc	0.8 I_n	I_n
170M2090	Double Slot Tag	3	2400Vdc (IEC)	100	5468	15,457	20	39
170M2091				160	16,427	46,439	43	84
170M2092				200	25,667	72,561	53	97
170M2093				250	36,960	104,488	60	103
170M2094				315	66,977	189,346	82	162
170M2095				350	87,480	247,309	89	175
170M2096				400	110,717	313,000	103	203

Dimensions - mm



Data Sheet: 720143

Traction Fuse Links

Size 1* Square Body Fuse Links
4000Vdc (IEC), 20A to 125A, 170E Series



Specifications

Description
Traction bolted tags square body high speed fuse link for superior protection in DC traction applications up to 4000Vdc

Technical Data:
Rated Voltage: 4000Vdc (IEC)
Rated Current: 20-125A
Tested Breaking Capacity:
50kA at 4000Vdc, L/R 10ms

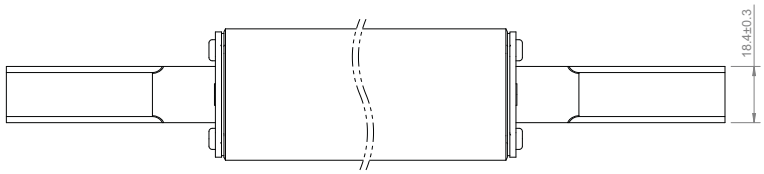
Operating Class: aR

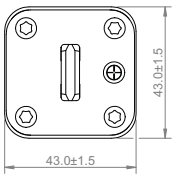
Standards/Agency Information
Consult Bussmann bulehighspeedtechnical@eaton.com.

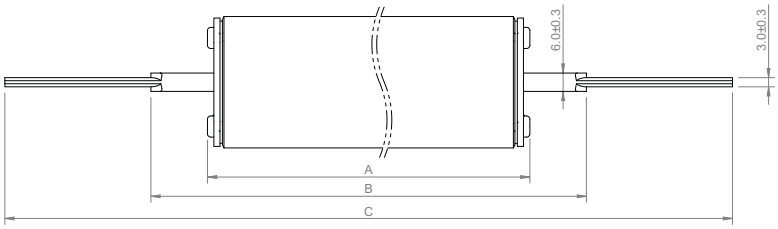
Catalogue Numbers

Catalogue Numbers	Fuse Link Size	Rated Voltage	Rated Current (Amps)	Watts Loss (W) I_n
170E3924	1*	4000Vdc (IEC)	20	23
170E3925			25	28
170E3926			32	34
170E3927			40	45
170E3928			50	57
170E3929			63	72
170E3930			80	91
170E3931			100	114
170E3932			125	143

Dimensions - mm







A	B	C
363 ± 4.2	398.5 ± 5	493.5 ± 5.2

Data Sheet: 170K6600

Traction Fuse Links

Size 1*, 2 and 2//2 Square Body Fuse Links
4000Vdc (IEC), 20A to 450A, 170E Series

Specifications

Description
Traction bolted tags square body high speed fuse link for superior protection in DC traction applications up to 4000Vdc

Technical Data:
Rated Voltage: 4000Vdc (IEC)
Rated Current: 20-450A
Rated Breaking Capacity:
60kA at 4000Vdc, L/R 25ms

Operating Class: aR

Standards/Agency Information
Consult Bussmann bulehighspeedtechnical@eaton.com.

Catalogue Numbers

Catalogue Numbers	Fuse Link Size	Rated Voltage	Rated Current (Amps)	Watts Loss (W) I_n
170E3914	1*	4000Vdc (IEC)	20	23
170E3915			25	28
170E3916			32	34
170E3917			40	45
170E3918			50	57
170E3919			63	72
170E3984			80	91
170E3933			100	114
170E3922			125	143
170E8882	2		160	182
170E8883			200	228
170E8884			250	285
170E8885	2//2		315	360
170E8886			350	400
170E8887			400	455
170E8888			450	515

Data Sheets: 1* 170K6600, 2 & 2/2 170K6604

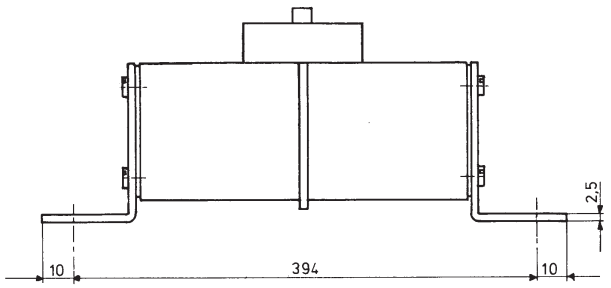
Traction Fuse Links

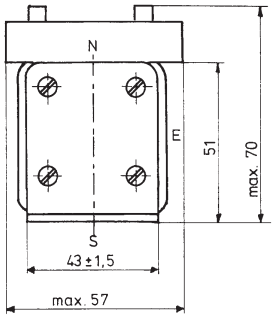
Size 1*, 2 and 22 Square Body Fuse Links

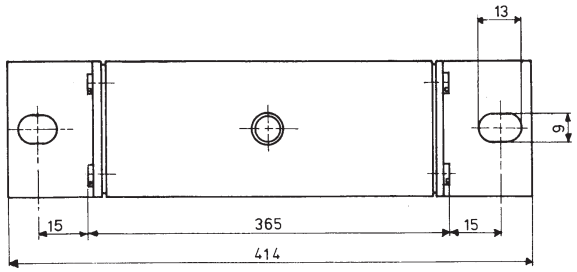
4000Vdc (IEC), 20A to 450A, 170E Series

Dimensions - mm

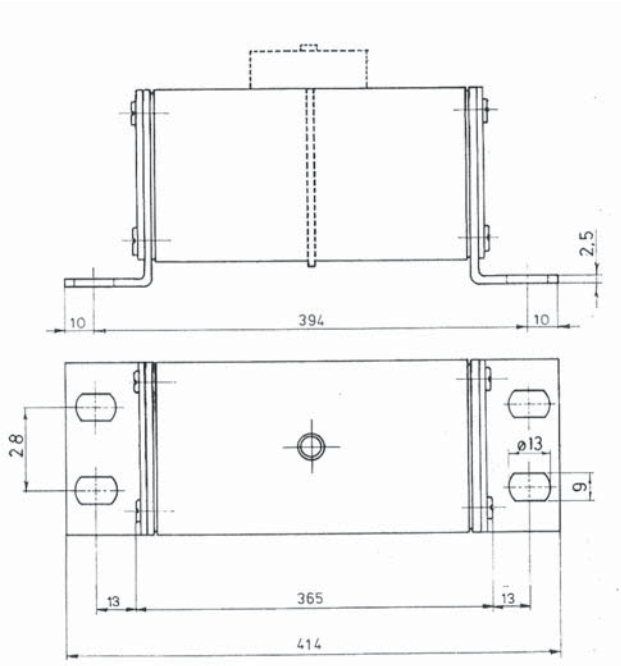
Type 1*SKN/394

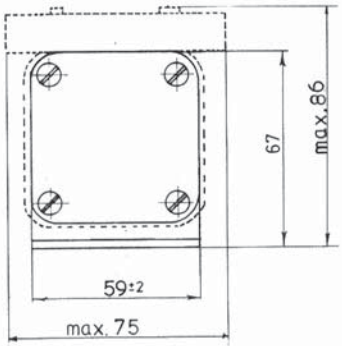






Type 2SKN/394





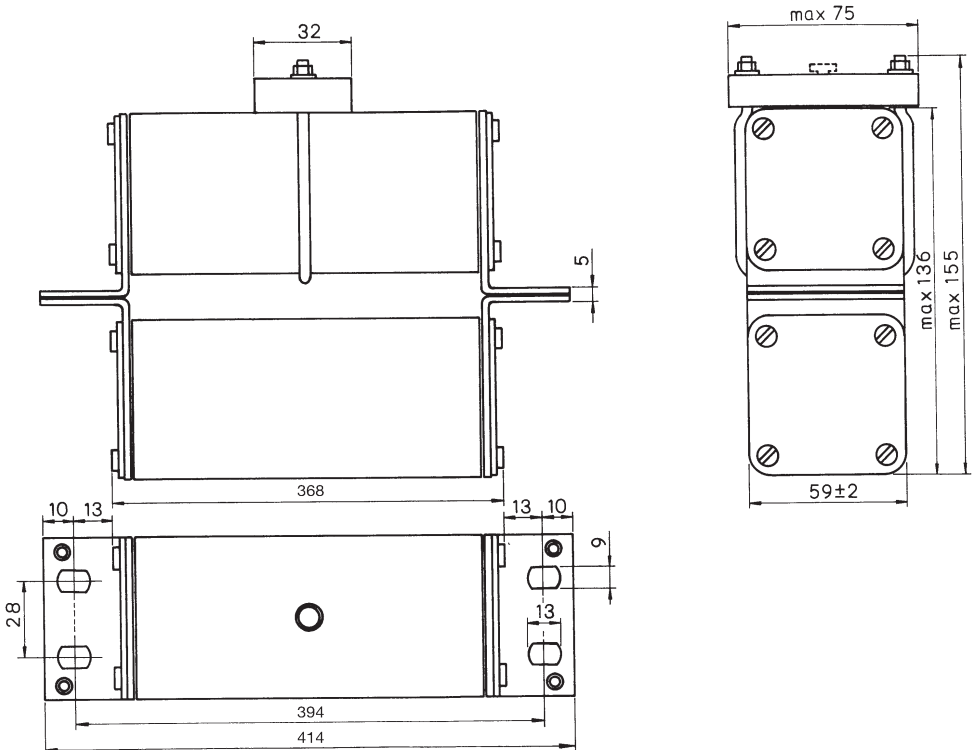
Data Sheets: 1* 170K6600, 2 & 2/2 170K6604

Traction Fuse Links

Size 1*, 2 and 22 Square Body Fuse Links
4000Vdc (IEC), 20A to 450A, 170E Series

Dimensions - mm

Type 2//SKN/394



Data Sheets: 1* 170K6600, 2 & 2/2 170K6604

Traction Fuse Links

20x127 and 25x146mm Ferrule Fuse Links
750Vdc (IEC), 5A to 60A, FWK Series



Specifications

Description
Ferrule high speed fuse links for light rail applications in auxiliary power and distribution equipment.

Technical Data
Rated Voltage: 750Vdc (IEC)
Rated Current: 5-30A (20x127mm)
35-60A (25x146mm)
Rated Breaking Capacity:
50kA at 750Vdc, L/R 10-15ms

Operating Class: gG

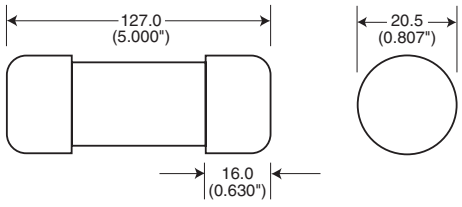
Standards/Agency Information
Tested in line with IEC 60269

Catalogue Numbers

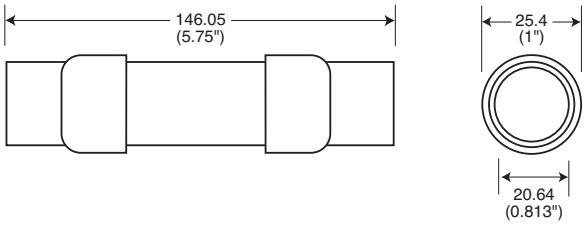
Catalogue Numbers	Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
				Minimum Pre-Arc	Clearing at 750Vdc	
FWK-5A20F	20x127mm ($^{13}/_{18}$" x 5")	750Vdc (IEC)	5	8.5	16	6.7
FWK-8A20F			8	50	100	8.8
FWK-10A20F			10	95	200	8.5
FWK-15A20F			15	100	240	5
FWK-20A20F			20	125	315	7.8
FWK-25A20F			25	400	1100	6.5
FWK-30A20F			30	800	2600	6.5
FWK-35A25F	25x146mm (1" x $5^{3}/_{4}$")		35	1300	4300	6
FWK-40A25F			40	1600	5300	6.8
FWK-50A25F			50	3100	12000	7.3
FWK-60A25F			60	5900	24000	7.7

Dimensions - mm (in)

5-30A



35-60A



Data Sheets: 720039, 35785031

Traction Fuse Links

Ferrule Fuse Links

750Vdc (IEC), 30A to 50A, LRC750 Series



Specifications

Description
Ferrule high speed fuse links for light rail applications in auxiliary power and distribution equipment. Also suitable for heavy rails applications in instrumentation and control circuits equipment.

Technical Data
Rated Voltage: 750Vdc (IEC)
Rated Current: 30-50A
Rated Breaking Capacity:
50kA at 750Vdc, L/R 15-20ms

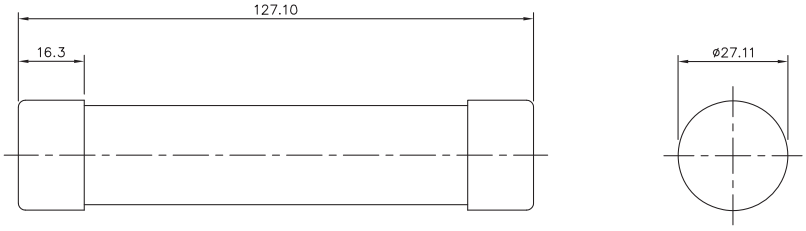
Operating Class: gR

Standards/Agency Information
Tested in line with IEC 60269

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Rated Voltage	Rated Current (Amps)	I^2t (A^2 s)		Watts Loss (W)
				Pre-Arcing	Clearing at 750Vdc	
30LRC750	LRC750	750Vdc (IEC)	30	700	2250	4.5
40LRC750			40	1800	5300	5.8
50LRC750			50	3100	12000	9.4

Dimensions - mm



Traction Fuse Links

20x127mm Ferrule Fuse Links FWL and FWS Series
1200-1400-2000Vac (IEC), 1000Vdc (IEC), 2A to 30A

Specifications

Description
Ferrule high speed fuse links for light rail applications in auxiliary power and distribution equipment.

Technical Data
Rated Voltage: FWL: 1200Vac (IEC)/1000Vdc
FWS: 2000Vac/1000Vdc (IEC, 2-8A)
1400Vac/1000Vdc (IEC, 10-15A)
Rated Current: 2-30A
Rated Breaking Capacity:
50kA at 1000Vdc, L/R 15ms

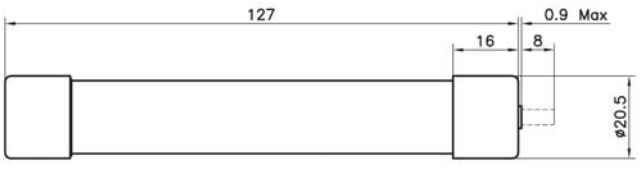
Operating Class: gG

Standards/Agency Information
Consult Bussmann bulehighspeedtechnical@eaton.com.

Catalogue Numbers

Catalogue Numbers		Fuse Link Size	Rated Voltage	Rated Current (Amps)	I^2t (A^2 Sec)		Watts Loss (W)
Without Indicator	With Indicator				Pre-Arcing	Clearing at 1000Vdc	
FWS-2A20F	FWS-2A20FI	20x127mm ($^{13}/_{16}$" x 5)	2000Vac 1000Vdc (IEC)	2	0.8	2.4	4.4
FWS-6A20F	FWS-6A20FI			6	27	81	6.7
FWS-8A20F	FWS-8A20FI			8	64	192	7.6
FWS-10A20F	FWS-10A20FI		1400Vac/ 1000Vdc (IEC)	10	118	277	3.0
FWS-12A20F	FWS-12A20FI			12	170	380	3.4
FWS-15A20F	FWS-15A20FI			15	209	500	5.0
FWL-20A20F	FWL-20A20FI	20x127mm ($^{13}/_{16}$" x 5)	1200Vac (IEC) 1000Vdc (IEC)	20	675	1550	5.9
FWL-25A20F	FWL-25A20FI			25	1200	2760	6.5
FWL-30A20F	FWL-30A20FI			30	1850	4300	7.5

Dimensions - mm



Data Sheets: 720040, 5785109

Traction Fuse Links

Round Body Fuse Links KC36 Series
750Vdc (IEC), 5A to 60A



Specifications

Description:
Ferrule high speed fuse links for light rail applications in auxiliary power and distribution equipment. Also suitable for heavy rails applications in instrumentation and control circuits equipment.

Technical Data:
Rated Voltage: 750Vdc (IEC)
Rated Current: 5-60A
Rated Breaking Capacity:
50kA at 750Vdc, L/R 15-20ms

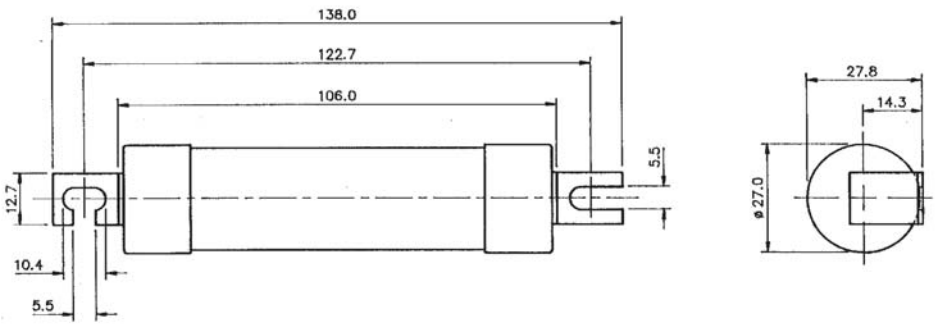
Operating Class: gG

Standards/Agency Information
Tested in line with IEC 60269

Catalogue Numbers

Catalogue Numbers	Fuse Link Type	Rated Voltage	Rated Current (Amps)	I^2t (A^2s)		Watts Loss (W)
				Pre-Arcing	Clearing at 750Vdc	
5KC36	KC36	750Vdc (IEC)	5	8.5	16	6.7
8KC36			8	50	100	8.8
10KC36			10	95	200	8.5
15KC36			15	100	240	5
20KC36			20	125	315	7.8
25KC36			25	400	1100	6.5
30KC36			30	800	2600	6.5
35KC36			35	1300	4300	6
40KC36			40	1600	5300	6.8
50KC36			50	3100	12,000	7.3
60KC36			60	5900	24,000	7.7

Dimensions - mm



Data Sheets: 5778844 and 5785049

Traction Fuse Links

Round Body Fuse Links RC Series
750Vdc (IEC), 200A to 400A



Specifications

Description:
Round bodied bolted tags high speed traction fuse links which provides protection for DC traction third rail applications.

Technical Data:
Rated Voltage: 750Vdc (IEC)
Rated Current: 200-400A
Rated Breaking Capacity: Consult Bussmann

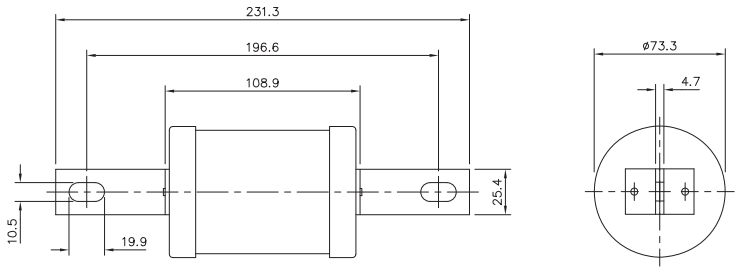
Operating Class: gG

Standards/Agency Information
Consult Bussmann bulehighspeedtechnical@eaton.com.

Catalogue Numbers

Catalogue Numbers	Operating Class	Rated Voltage	Rated Current (Amps)	I^2t (A^2s)	Watts Loss (W)
200RC	gG	750Vdc (IEC)	200	85,000	31
250RC			250	225,000	33
300RC			300	340,000	37
350RC			350	530,000	41
400RC			400	756,000	48

Dimensions - mm



Data Sheets: 5778869, 5785107 and 5785207

Traction Fuse Links

Round Body Fuse Links SF Series
900Vdc (IEC), 160A to 1000A



Specifications

Description:
Round bodied flush end high speed traction fuse links which provides protection for DC traction third rail applications.

Technical Data:
Rated Voltage: 900Vdc (IEC)
Rated Current: 160-1000A
Rated Breaking Capacity:
80kA at 900Vdc, L/R 80ms[1]

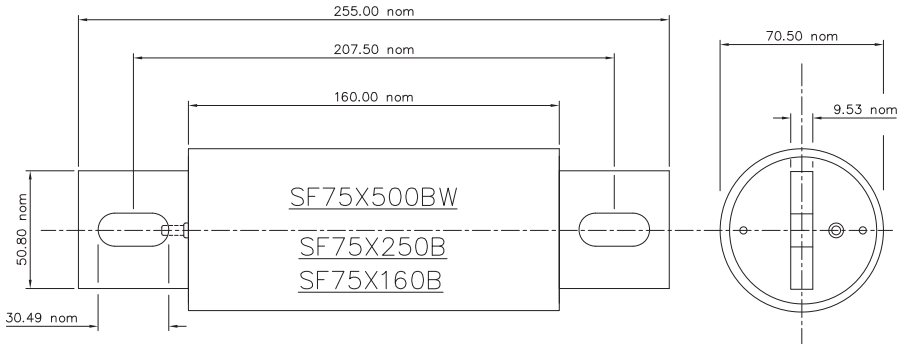
Operating Class: aR (600 to 1000A)/gR (160 to 320A)

Catalogue Numbers

Catalogue Numbers		Rated Voltage	Rated Current (Amps)	I^2t (A^2s)	Total at 900Vac
Blade Contact	Flush End Contact				
SF75X160B	-	900Vdc (IEC)	160	23,000	205,000
SF75X250B	-		250	54,000	90,000
SF75X500BW	-		320	150,000	570,000
SF75X600BW	-		600	585,000	4,000,000
SF75X800BW	SF75X800BB		800	1,400,000	9,000,000
SF100X1000	SF100X1000HP		1000	-	-

Dimensions - mm

Blade contact: SF75X160B, SF75X250B, SF75X500B



[1] Consult Bussmann for full details bulehighspeedtechnical@eaton.com

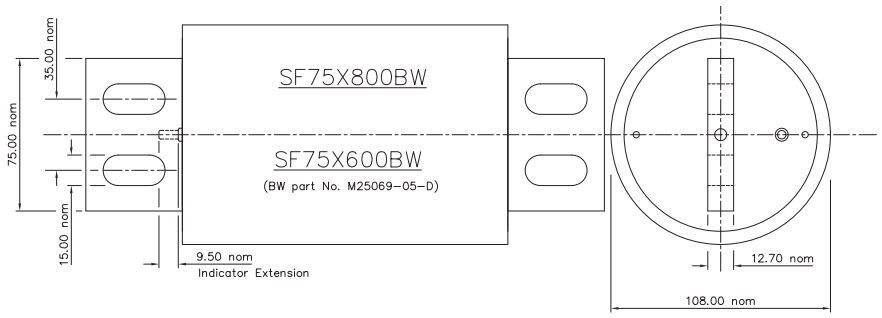
Data Sheets: 5785227, 5779017

Traction Fuse Links

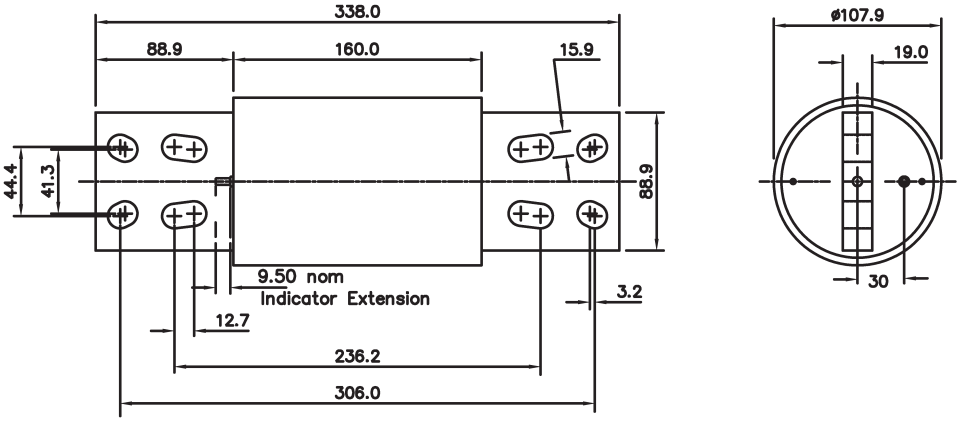
Round Body Fuse Links SF Series
900Vdc (IEC), 160A to 1000A

Dimensions - mm

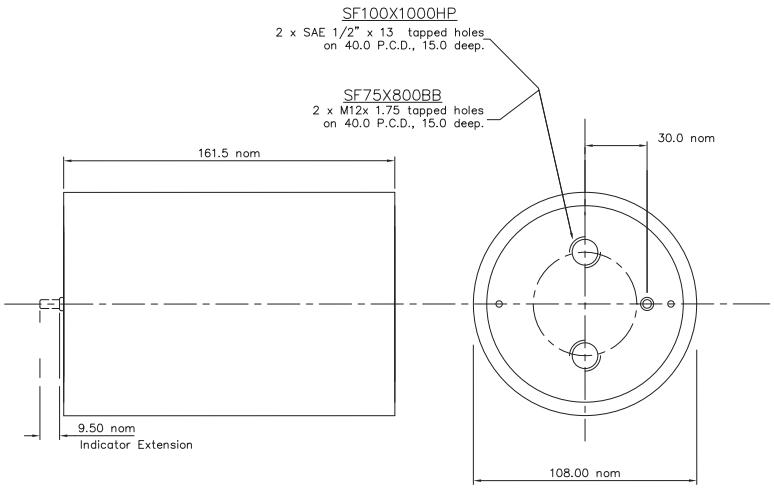
Blade contact: SF75X600BW and SF75X800BW



Blade contact: SF100X1000



Flush end: SF75X800BB and SF100X1000HP



Data Sheets: 5785227, 5779017

Traction Fuse Links

Round Body Fuse Links, NBC Series
1500Vdc (IEC), 25 to 200A



Specifications

Description
A range of round body bolted tags high speed fuse links for heavy rail applications such as auxiliary and distribution equipment.

Technical Data:
Rated Voltage: 1500Vdc (IEC)
Rated Current: 25-200A
Rated Breaking Capacity: Consult Bussmann for interrupting rating and time constant capabilities.

Operating Class: gR

Standards/Agency Information
Consult Bussmann bulehighspeedtechnical@eaton.com.

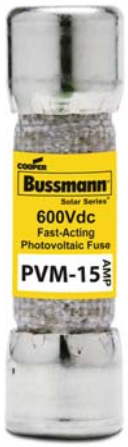
Catalogue Numbers

Catalogue Numbers	Fuse Type	Rated Voltage	Rated Current (Amps)
NBC-25	NBC	1500Vdc (IEC)	25
NBC-60			60
NBC-70			70
NBC-100			100
NBC-150			150
NBC-200			200

Dimensions:
Consult Bussmann bulehighspeedtechnical@eaton.com.

Photovoltaic Fuse Links

10x38mm, PVM Series
600Vdc (UL), 4 to 30A



Specifications

Description
A range of UL 2579 fast-acting 600Vdc midget fuse links specifically designed to protect solar power systems in extreme ambient temperature, high cycling and low level fault current conditions (reverse current, multi-array fault).

Technical Data
Rated Voltage: 600Vdc to UL 2579
Rated Current: 4-30A
Breaking Capacity: 50kA DC (4-30A)

Standards/Agency Information
UL Listed 2579, Guide JFGA, File E335324, CSA Component Certified C22.2

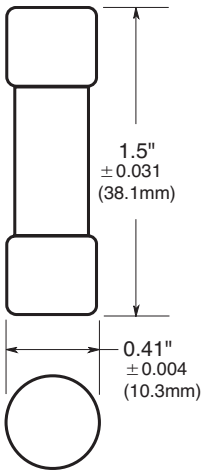
Catalogue Numbers

Catalogue Numbers	Rated Current (Amps)	Rated Voltage
PVM-4	4	600Vdc (UL)
PVM-5	5	
PVM-6	6	
PVM-7	7	
PVM-8	8	
PVM-9	9	
PVM-10	10	
PVM-12	12	
PVM-15	15	
PVM-20	20	
PVM-25	25	
PVM-30	30	

Power Loss (Watts)

Catalogue Numbers	Rated Current (Amps)	Power Loss (Watts)	
		0.8 x I_n	1 x I_n
PVM-10	10	1.04	1.86
PVM-15	15	1	1.72
PVM-30	30	1.65	2.91

Dimensions - in (mm)



Data Sheet: 2153

Photovoltaic Fuse Links

10x38mm, PV-10F Series

1000Vdc (IEC/UL), 1 to 20A



Specifications

Description

A range of fuse links in a 10x38mm package specifically designed for the protection and isolation of photovoltaic strings. The fuse links are capable of interrupting low overcurrents associated with faulted PV (reverse current, multi-array fault) string arrays.

Technical Data

Rated Voltage: 1000Vdc (IEC/UL)
Rated Current: 1-6A, 8-15A and 20A
Breaking Capacity: 50kA

Operating Class

gPV and UL PV fuse links

Standards/Agency Information

IEC 60269-6, UL Recognised 2579 (File number E335324), CSA, CCC (1-15A), RoHS compliant.

Catalogue Numbers

Catalogue Numbers				Rated Current (Amps)	Rated Voltage	I^2t (A^2s)		Watts Loss (W)	
Cylindrical	Bolt Fixing	PCB Fixing Single Pin	PCB Fixing Double Pin			Pre-Arcing	Total at 1000V	0.8 I_n	I_n
PV-1A10F	PV-1A10-T	PV-1A10-1P	PV-1A10-2P	1	1000Vdc (UL/IEC)	0.15	0.4	0.8	1.5
PV-2A10F	PV-2A10-T	PV-2A10-1P	PV-2A10-2P	2		1.2	3.4	0.6	1.0
PV-3A10F	PV-3A10-T	PV-3A10-1P	PV-3A10-2P	3		4	11	0.8	1.3
PV-3-5A10F	PV-3-5A10-T	PV-3-5A10-1P	PV-3-5A10-2P	3.5		6.6	18	0.9	1.4
PV-4A10F	PV-4A10-T	PV-4A10-1P	PV-4A10-2P	4		9.5	26	1.0	1.5
PV-5A10F	PV-5A10-T	PV-5A10-1P	PV-5A10-2P	5		19	50	1.0	1.6
PV-6A10F	PV-6A10-T	PV-6A10-1P	PV-6A10-2P	6		30	90	1.1	1.8
PV-8A10F	PV-8A10-T	PV-8A10-1P	PV-8A10-2P	8		3	32	1.2	2.1
PV-10A10F	PV-10A10-T	PV-10A10-1P	PV-10A10-2P	10		7	70	1.2	2.3
PV-12A10F	PV-12A10-T	PV-12A10-1P	PV-12A10-2P	12		12	120	1.5	2.7
PV-15A10F	PV-15A10-T	PV-15A10-1P	PV-15A10-2P	15		22	220	1.7	2.9
PV-20A10F	PV-20A10-T	PV-20A10-1P	PV-20A10-2P	20		34	350	2.1	3.6

Data Sheet: 720110

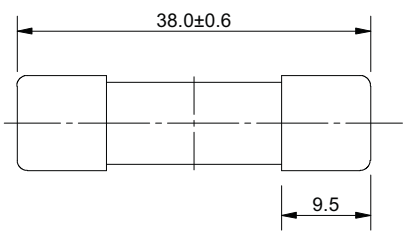
Photovoltaic Fuse Links

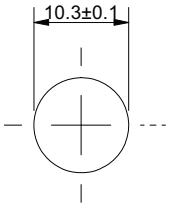
10x38mm, PV-10F Series

1000Vdc (IEC/UL), 1 to 20A

Dimensions - mm

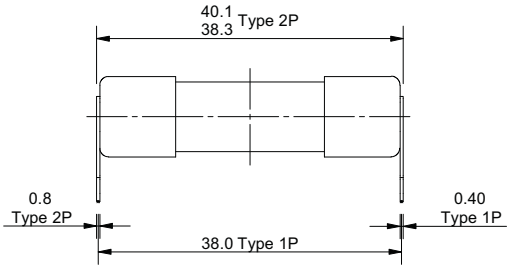
Cylindrical PV-**A10F



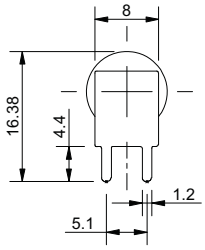




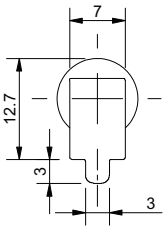
PCB Fixing PV-**A10-1P

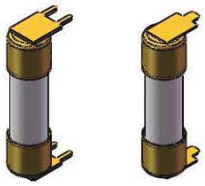


Type 2P

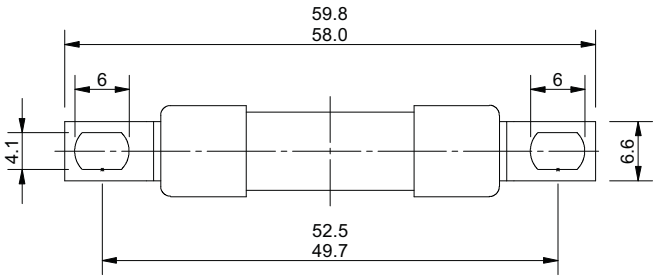


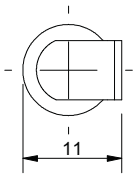
Type 1P





Bolt Fixing PV-**A10-T







Photovoltaic Fuse Links

14x51mm, PV-14F Series

1000 and 1100Vdc (IEC/UL), 15 to 32A, Solar PV Series



Specifications

Description
A range of fuse links in a 14x51mm package specifically designed for the protection and isolation of photovoltaic strings. The fuse links are capable of interrupting low overcurrents associated with faulted PV (reverse current, multi-array fault).

Technical Data
Rated Voltage: 1100Vdc (IEC and UL, 15 and 20A)
1000Vdc (IEC and UL, 25 and 32A)
Rated Current: 15 to 32A
Breaking Capacity: 30kA

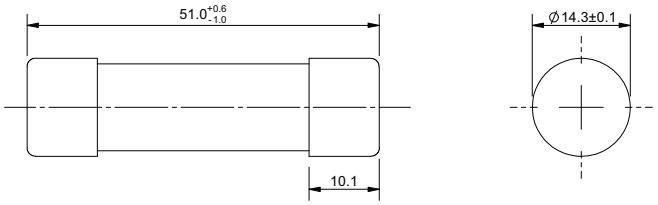
Operating Class:
gPV and UL PV fuse links

Standards/Agency Information
IEC 60269-6, UL Recognised 2579 (File number E335324), RoHS compliant
Pending: CCC.

Catalogue Numbers

Catalogue Numbers	Rated Current (Amps)	Rated Voltage	I^2t (A^2s)		Watts Loss (W)	
			Pre-Arcing	Total at Rated Voltage	0.8 I_n	I_n
PV-15A14F	15	1100Vdc (IEC/UL)	14	270	2.1	4
PV-20A14F	20		27	570	2.9	5.5
PV-25A14F	25	1000Vdc (IEC/UL)	65	950	2.8	5.3
PV-32A14F	32		120	1750	4	7.5

Dimensions - mm



Data Sheet: 720132

Photovoltaic Fuse Links

14x65mmm, PV-14L Series

1300-1500Vdc (IEC and UL), 15 to 32A, Solar PV Series



Specifications

Description

A range of fuse links in a 14x65mm package specifically designed for the protection and isolation of photovoltaic strings. The fuse links are capable of interrupting low overcurrents associated with faulted PV (reverse current, multi-array fault).

Technical Data

Rated Voltage: 1500Vdc (IEC and UL, 15 and 20A)
1 1300Vdc (IEC and UL, 25 and 32A)
Rated Current: 15 to 32A
Breaking Capacity: 10kA

Operating Class:

gPV and UL PV fuse links

Standards/Agency Information

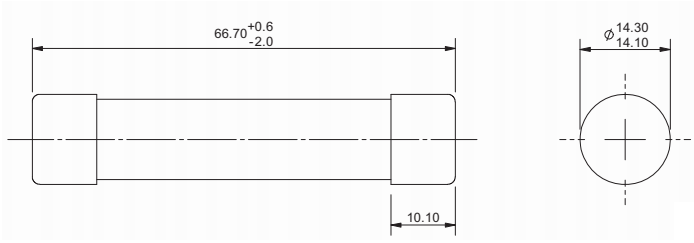
IEC 60269-6, UL Recognised 2579 (File number E335324), RoHS compliant, Pending: CCC.

Catalogue Numbers

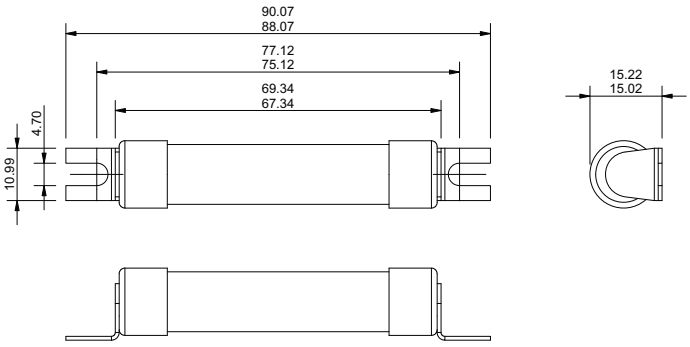
Catalogue Numbers			Rated Current (Amps)	Rated Voltage	I^2t (A^2s)		Watts Loss (W)	
Cylindrical	Cylindrical with Tags	Cylindrical with 10mm Fixings			Pre-Arcing	Total at rated voltage	0.8 I_n	I_n
PV-15A14LF	PV-15A14L-T	PV-15A14LF10F	15	1500Vdc (IEC/UL)	14	160	3.2	5.8
PV-20A14LF	PV-20A14L-T	PV-20A14LF10F	20		34	400	3.6	6.5
PV-25A14LF	PV-25A14L-T	PV-25A14LF10F	25	1300Vdc (IEC/UL)	65	550	4.1	7.5
PV-32A14LF	PV-32A14L-T	PV-32A14LF10F	32		105	900	5.7	10.4

Dimensions - mm

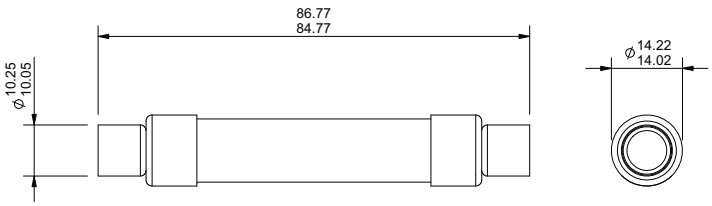
Cylindrical PV-(amp rating)A14LF



Cylindrical with Tags PV-(amp rating)A14L-T



Cylindrical with 10mm Fixings PV-(amp rating)A14LF10F



Data Sheet: 720139

Photovoltaic Fuse Links

NH, PV-ANH1 Series
1000Vdc (IEC/UL), 32 to 400A



Specifications

Description
A range of NH size bladed fuse links specifically designed for protecting and isolating photovoltaic array combiners and disconnects. These fuse links are capable of interrupting low overcurrents associated with faulted PV systems (reverse current, multi-array fault).

Technical Data
Rated Voltage: 1000Vdc (IEC and UL)
Rated Current: 32 to 400A
Breaking Capacity: 50kA

Operating Class
gPV and UL PV fuse links

Standards/Agency Information
IEC 60269-6, UL Recognised file 2579 E335324 for size 1 only, RoHS compliant, pending: CCC.

Catalogue Numbers

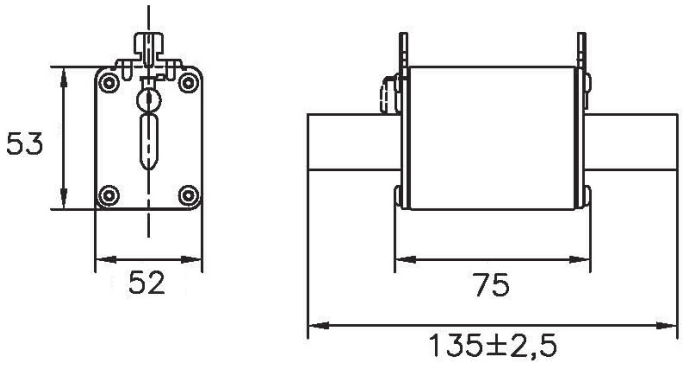
Catalogue Numbers	Fuse link size	Rated Current (Amps)	Rated Voltage	I^2t (A^2s)		Watts Loss (W)	
				Pre-Arcing	Total at 1000V	0.8 I_n	I_n
PV-32ANH1	NH1	32	1000Vdc (IEC/UL)	80	720	4.3	8.5
PV-40ANH1		40		185	1670	4.6	9
PV-50ANH1		50		400	3600	5.4	11
PV-63ANH1		63		470	4300	6.1	12
PV-80ANH1		80		640	5760	7.9	15.5
PV-100ANH1		100		1300	11,700	8.4	16.5
PV-125ANH1		125		2600	23,400	8.9	17.5
PV-160ANH1		160		5200	46,800	12.2	27.5
PV-200ANH1		200		10,200	82,000	13	25
PV-250ANH2	NH2	250		26,000	129,000	23	38
PV-400ANH3	NH3	400		85,000	420,000	50	50

Photovoltaic Fuse Links

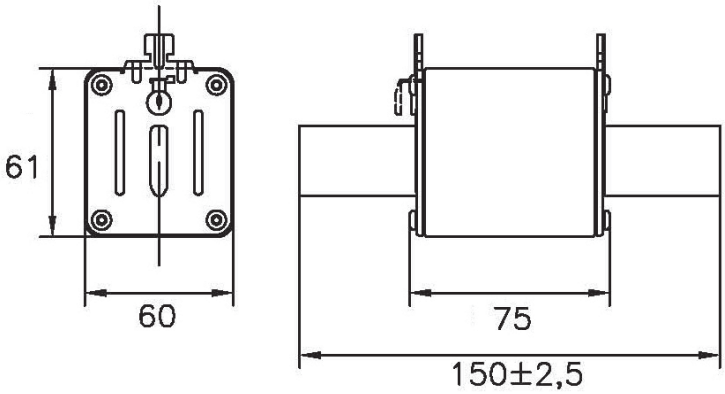
NH, PV-ANH1 Series

1000Vdc (IEC/UL), 32 to 400A

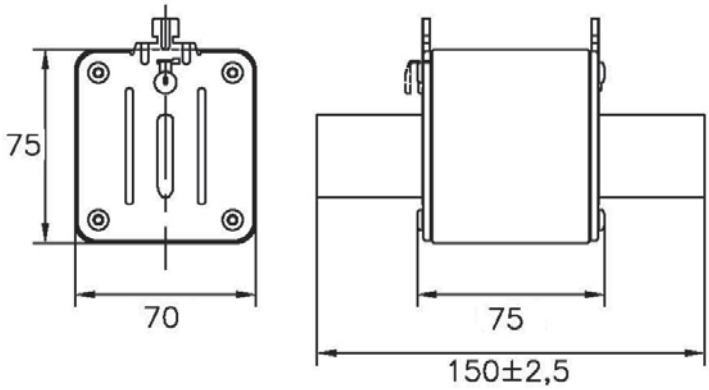
NH Size 1 dimensions - mm



NH Size 2 dimensions - mm



NH Size 3 dimensions - mm



Photovoltaic Fuse Links

XL Style, PV-XL Series
1000-1500Vdc (IEC/UL), 50 to 630A



Specifications

Description
A range of XL package bladed fuse links specifically designed for protecting and isolating photovoltaic array combiners and disconnects. These fuse links are capable of interrupting low overcurrents associated with faulted PV systems (reverse current, multi-array fault).

Technical Data
Rated Voltage: 1000Vdc (IEC and UL 63 to 630A)
1200Vdc (IEC and UL 160A)
1500Vdc (IEC and UL 50 to 400A)
Rated Current: 50 to 630A
Breaking Capacity:

1000Vdc	Size 01 and 3	50kA
	Size 1 and 2	33kA
1500Vdc	Size 01 to 3	30kA

Operating Class
gPV and UL PV fuse links

Standards/Agency Information
IEC 60269-6, UL Recognised file 2579 E335324, RoHS compliant, pending: CCC.

Catalogue Numbers - 1000Vdc*

Catalogue Numbers		Body Size	Rated Current (Amps)	Rated Voltage	I^2t (A^2s)		Watts Loss (W)	
Bladed Version	Bolted Version				Pre-Arcing	Total at 1000V	0.8 I_n	I_n
PV-63A-01XL	PV-63A-01XL-B	01	63	1000Vdc (IEC/UL)	260	1900	13	24
PV-80A-01XL	PV-80A-01XL-B		80		490	3600	17	29
PV-100A-01XL	PV-100A-01XL-B		100		870	6300	18	32
PV-125A-01XL	PV-125A-01XL-B		125		1930	13,900	20	40
PV-160A-01XL	PV-160A-01XL-B		160		3900	28,100	22	44
PV-200A-1XL	PV-200A-1XL-B	1	200		9400	27,260	31	60
PV-160A-2XL	PV-160A-2XL-B	2	160		2780	21,000	25	44
PV-200A-2XL	PV-200A-2XL-B		200		4950	37,000	28	50
PV-250A-2XL	PV-250A-2XL-B		250		9450	70,000	34	60
PV-315A-2XL	PV-315A-2XL-B		315		16,600	123,000	40	66
PV-355A-2XL	PV-355A-2XL-B		355		26,000	192,000	42	68
PV-350A-3L	PV-350A-3L-B	3	350		31,000	161,200	40	65
PV-400A-3L	PV-400A-3L-B		400		44,500	231,400	48	82
PV-500A-3L	PV-500A-3L-B		500		85,000	442,000	50	85
PV-600A-3L	PV-600A-3L-B		600		137,000	712,400	80	108
PV-630A-3L[1]	PV-630A-3L-B[1]		630[1]		137,000	712,400	92	118

[1] 630A Thermally rated to UL only.

Data Sheet: 720134

Photovoltaic Fuse Links

XL Style, PV-XL Series

1000-1500Vdc (IEC/UL), 50 to 630A

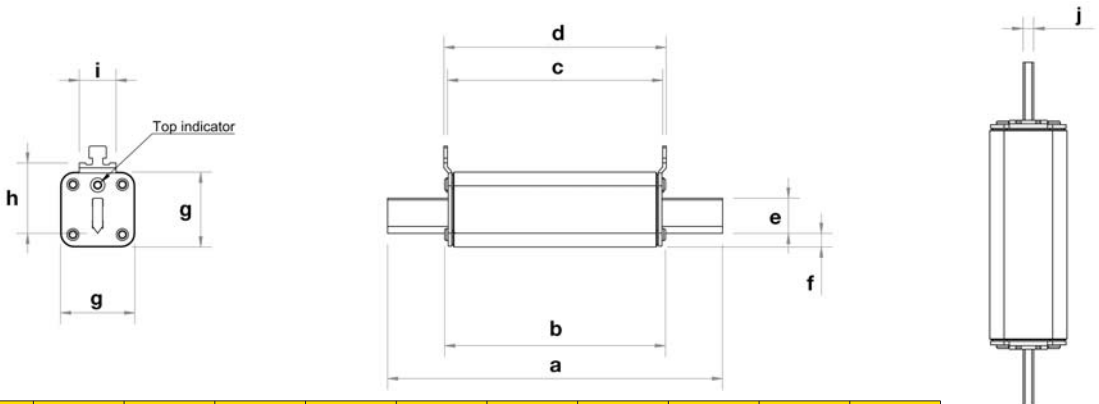
Catalogue Numbers - 1500Vdc**

Catalogue Numbers		Body Size	Rated Current (A)	Rated Voltage	I^2t (A^2s)		Watts Loss (W)	
Bladed Version	Bolted Version				Pre-Arcing	Total at 1500Vdc[1]	0.8 I_n	I_n
PV-50A-01XL-15	PV-50A-01XL-B-15	01	50	1500Vdc (IEC/UL)	175	1000	14	25
PV-63A-01XL-15	PV-63A-01XL-B-15		63		362	2250	15	26
PV-80A-01XL-15	PV-80A-01XL-B-15		80		565	3300	19	35
PV-100A-01XL-15	PV-100A-01XL-B-15		100		1100	6600	22	40
PV-125A-01XL-15	PV-125A-01XL-B-15		125		2200	10,500	23	42
PV-160A-01XL-12	PV-160A-01XL-B-12		160	1200Vdc (IEC/UL)	5000	24,000[1]	26	52
PV-100A-1XL-15	PV-100A-1XL-B-15	1	100	1500Vdc (IEC/UL)	1250	6000	24	43
PV-125A-1XL-15	PV-125A-1XL-B-15		125		1950	9360	25	52
PV-160A-1XL-15	PV-160A-1XL-B-15		160		4200	20,160	30	58
PV-200A-1XL-15	PV-200A-1XL-B-15		200		9400	45,120	31	61
PV-125A-2XL-15	PV-125A-2XL-B-15	2	125		2200	15,000	25	44
PV-160A-2XL-15	PV-160A-2XL-B-15		160		5000	32,000	29	48
PV-200A-2XL-15	PV-200A-2XL-B-15		200		8800	51,000	32	57
PV-250A-2XL-15	PV-250A-2XL-B-15		250		16,600	85,000	40	70
PV-250A-3L-15	PV-250A-3L-B-15	3	250		22,300	92,000	32	50
PV-315A-3L-15	PV-315A-3L-B-15		315		38,000	160,000	36	66
PV-355A-3L-15	PV-355A-3L-B-15		355		44,500	184,000	44	80
PV-400A-3L-15	PV-400A-3L-B-15		400		58,000	240,000	49	91

[1]1200Vdc for 160A.

Dimensions - mm

Bladed - Size 01XL, 1XL, 2XL and 3L



Size	a	b	c	d	e	f	g	h	i	j
01XL	193.8	127.8	124.6	128.6	20	7.9	43	40.4	21.3	5.8
1XL	189.8	127.8	119.6	123.6	20	13.4	51	39.8	20	5.8
2XL	204.5	128.5	119.3	123.3	26	14.4	59.2	47.9	20	5.8
3L	204.9	127.5	118.3	122.3	32.3	18.7	73.5	60	22	6

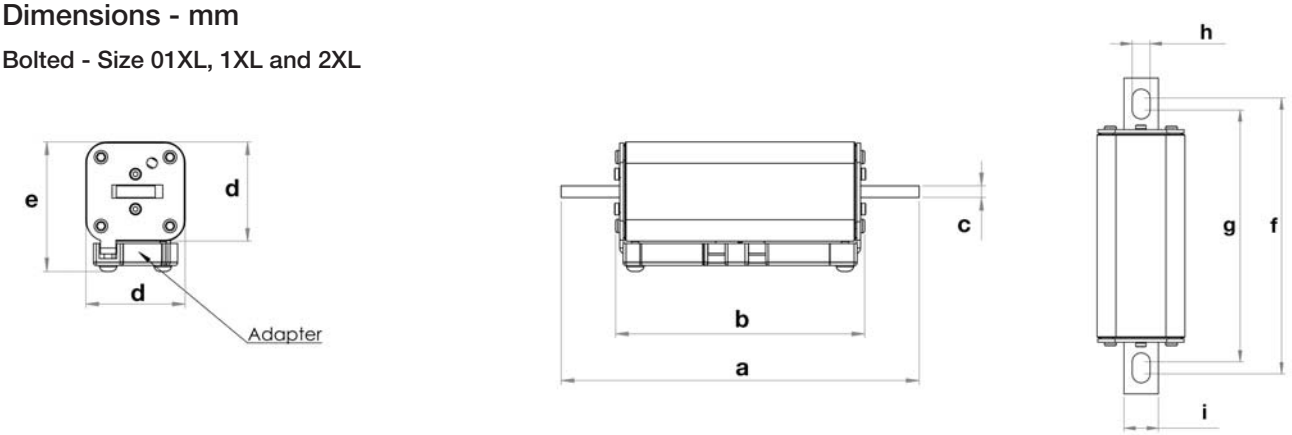
Photovoltaic Fuse Links

XL Style, PV-XL Series

1000-1500Vdc (IEC/UL), 50 to 630A

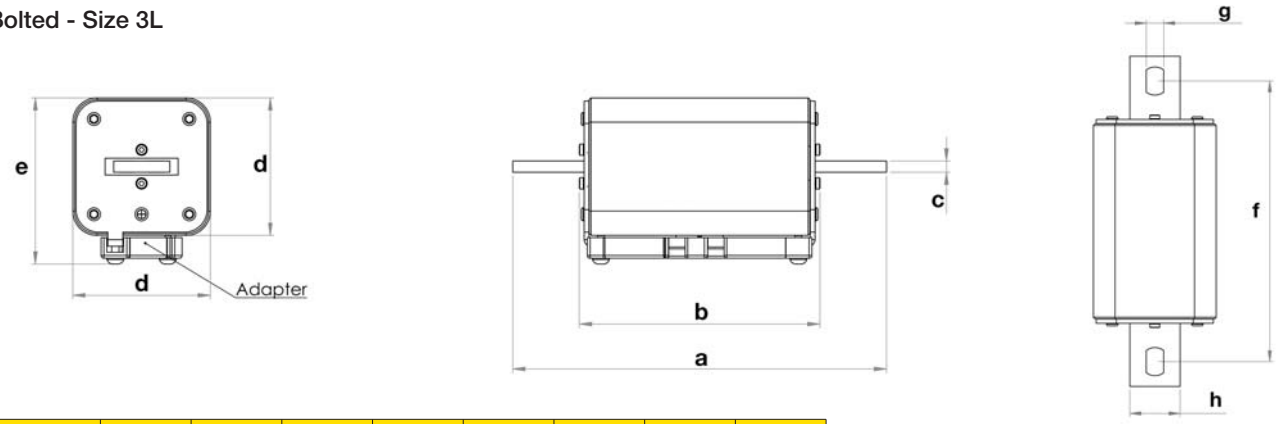
Dimensions - mm

Bolted - Size 01XL, 1XL and 2XL



Size	a	b	c	d	e	f	g	h	i
01XL	187.6	127.8	6	43	58.3	164.3	150.3	10.4	20
1XL	183.6	127.8	6	51	66.3	160.3	146.3	10.4	20
2XL	191.3	128.5	6	59.2	74.5	167.8	154.8	10.5	25

Bolted - Size 3L



Size	a	b	c	d	e	f	g	h
3L	199.7	128.5	6	73.5	88.8	169.7	10.5	30

Data Sheet: 720134

Fuse Bases for North American, British and Square Body Fuse Links

Modular Style

Description

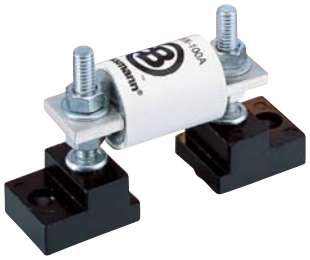
Bussmann offers a comprehensive line of fuse bases that provide the user with design and manufacturing flexibility. Two identical half bases make up a Bussmann modular fuse base. These 'split' units can be panel mounted any distance apart to accomodate any length fuse.

1 - Stud Type

The simpler design is the C5268 series modular fuse base. With this design, the fuse terminal and cable (with termination) are mounted on the same stud, minimizing labor needed for installation. The stud type base is available in the configurations shown in the table below.

Catalogue Numbers

Catalogue Numbers	Max Fuse Amp Rating	Stud Height (in)	Stud Dia. & Threads
C5268-1	200	1	$^{5}/_{16}$"-18
C5268-2	200	1.75	$^{5}/_{16}$"-18
C5268-3	200	0.75	$^{5}/_{16}$"-18
C5268-4	100	1	$^{1}/_{4}$"-20
C5268-5	100	1.75	$^{1}/_{4}$"-20

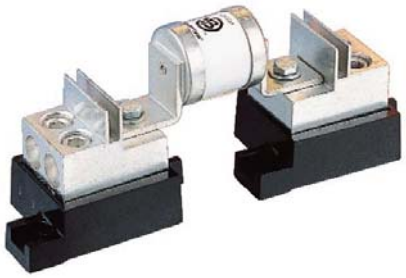


2 - Connector Type

Bussmann also offers a modular style fuse base that utilises a tin-plated connector for wire termination and heat dissipation) and a plated-steel stud (for fuse mounting). The connector type fuse base is available in the configurations shown below. Consult Bussmann for additional product details.

Catalogue Numbers

Catalogue Numbers	Max Voltage	Max Fuse Amp Rating
1BS101	600	100
1BS102	600	400
1BS103	600	400
1BS104	600	600



3 - BH Series

BH fuse blocks provide a wide range of mounting configurations for Bussmann High Speed semi-conductors fuse links. BH fuse blocks have a Short-Circuit Current Rating of any installed fuse up to 200kA RMS Sym.

Catalogue Numbers

Catalogue Numbers	Max Voltage	Max Fuse Amp Rating
BH-0	700	100
BH-1	2500	400
BH-2	5000	600
BH-3	1250	700



Data Sheets: 1200 (BH-0), 1201 (BH-1), 1202 (BH-2), 1203 (BH-3), 1206 (1BS101), 1207 (1BS102), 1208 (1BS103), 1209 (1BS104)

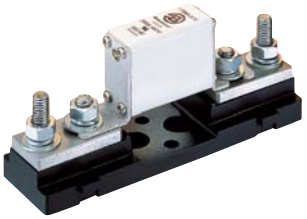
Fuse Bases for Square Body Fuse Links

Fixed Center Fuse Bases for DIN 43653 Fuse Links

Description
Fuse bases (blocks) to be used with DIN 43653 square body fuse links with Centre distances of 80 and 110mm. Available for sizes 000, 00, 1*, 1, 2 and 3.

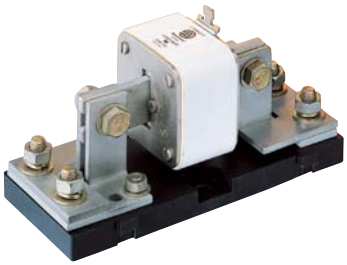
Sizes 000 to 0 Fuse Bases

Catalogue Numbers	Max Voltage (Volts)	Max Fuse Amp Rating (Amps)	Centre Distance (mm)	Fuse Sizes
170H1007	1000	400	80	00, 000
170H1013	690	200	80	0000, 000



Sizes 1* to 3

Catalogue Numbers	Max Voltage (Volts)	Max Fuse Amp Rating (Amps)	Centre Distance (mm)
170H3003	1000	630	80
170H3004	1000	1250	80
170H3005	1400	630	110
170H3006	1400	1250	110



The fuse bases rated 1250A can also be used for size 3 fuse links (690V, 1000V and 1250V). Fuse links with higher rated current can be used if the maximum load current is derated according to the table below:

Fuse Amp Rating	Max. Amp Load in Fuse Base
1400	1325
1500	1400
1600	1500
1800	1650
2000	1800

NH Fuse Bases

1500Vdc (IEC), 250 to 630A, Sizes 1 to 3

Specifications



Description
Sizes 1 to 3 NH Fuse bases specifically designed for use with the Bussmann range of NH PV (Photovoltaic) fuse links.

Technical Data
Rated Voltage: 1500Vdc (IEC)
Rated Current: 250 to 630A

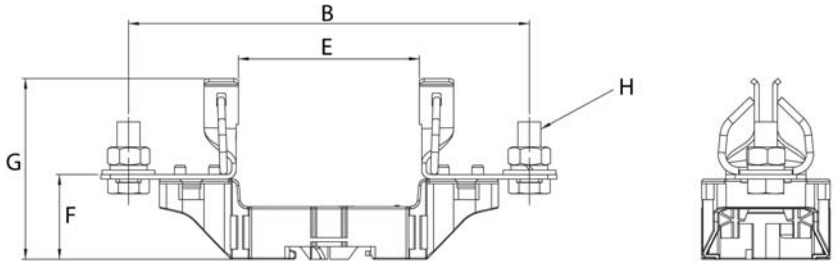
Fuse Base Size: 1 to 3

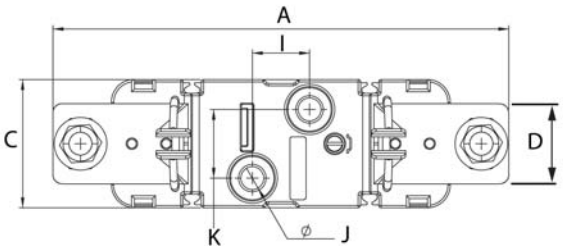
Compatible Fuse Links: PV-(amps)ANH1, see pages 113-114

Standards/Agency Information
IEC 60269-1

Accessories:
Microswitches - 170H0236 or 170H0238, BVL50
IP20 Finger-Safe Protection Kit - TD1-IP20, TD2-IP20, TD3-IP20

Dimensions - mm





Catalogue Numbers	Poles/Type	A	B	C	D	E	F	G	H	I	J	K
SD1-D-PV	1-pole	199	175	56	35	79	37	78	M10x25	25	10	30
SD2-D-PV	1 pole	224	199	56	35	79	37.5	86	M10x25	25	10	30
SD3-D-PV	1-pole	239	209	56	36	82	37.5	88	M12x30	25	10	30

XL Fuse Bases for XL Style Photovoltaic Fuse Links

1500Vdc (IEC), 250 to 630A, Sizes 1 to 3

Specifications



Description
Sizes 1 to 3 NH Fuse bases specifically designed for use with the Bussmann range of NH PV (Photovoltaic) fuse links.

Technical Data
Rated Voltage: 1500Vdc (IEC)
Rated Current: 250 to 630A

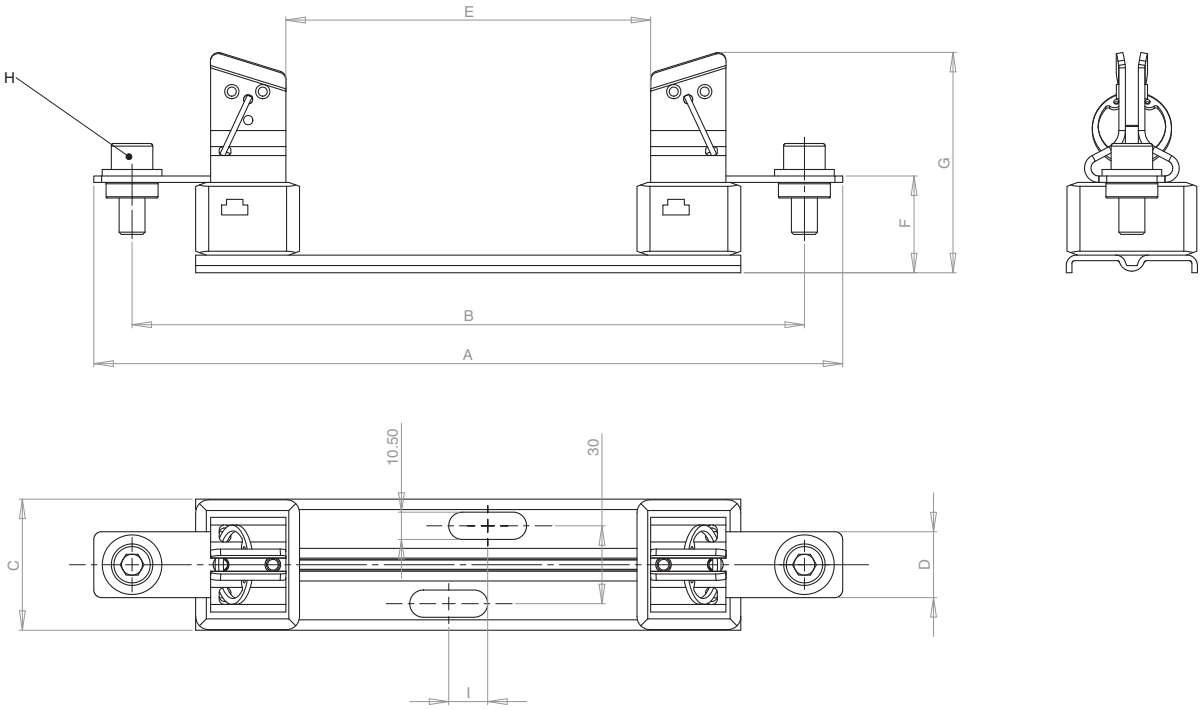
Fuse Base Size: 1 to 3

Compatible Fuse Links: PV XL Series see pages 115-117

Standards/Agency Information
IEC 60269-1

Accessory
Fuse extraction handle available in sizes 01XL to 3L
Part numbers: FEH1500
Unit packing: 1

Dimensions - mm



Part Number	XL Style Fuse Link Size	Maximum Fuse Current	Power Acceptance	A	B	C	D	E	F	G	H	I
SD1XL-S	01XL, 1XL	250A	54W	287	257	51	25	140	37	85	M10x25	18
SD2XL-S	2XL	400A	90W	287	257	51	30	140	38	100	M10x30	18
SD3L-S	3L	630A	120W	305	267	69	40	140	40	105	M12x30	25

Data Sheet: 10066

Fuse Bases for Ferrule Fuse Links

BM Series
600Vac (UL), 30A



Specifications

Description
Fuse blocks for cylindrical industrial fuse links. Screw mounting fixing.

Technical Data
Rated Voltage: 600Vac (UL)
Rated Current: 30A (box lug terminal)
20A (with quick connector terminal)

Compatible Fuse Links: FWA-A10F, FWC-A10F, PVM and PV-A10F

Standards/Agency Information
UL Recognised, UL 512, Guide IZTL2, File 14853 CSA certified, C22.2 No 39, Class-6225-01, File 47235.

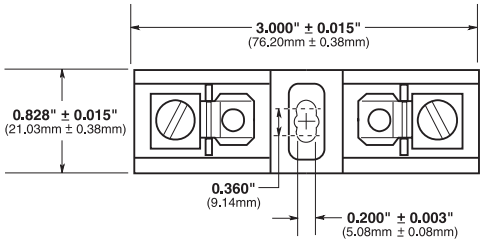
Catalogue Numbers

Terminal Type			Fuse Link Size	Number of Poles
Screw w/Quick Connector[1]	Pressure Plate w/Quick Connector[1]	Box Lug		
BM6031SQ	BM6031PQ	BM6031B	10x38mm	1
BM6032SQ	BM6032PQ	BM6032B		2
BM6033SQ	BM6033PQ	BM6033B		3

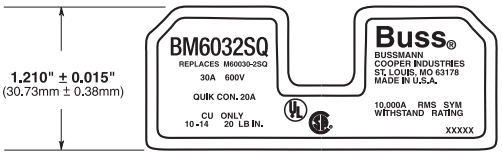
[1] Size which quick connect is 1/4" and is rated at 20A max.

Dimensions - in (mm)

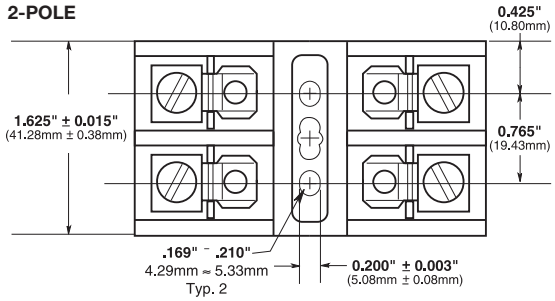
1-POLE



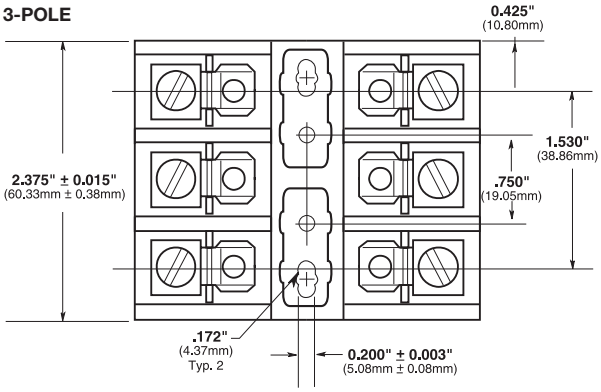
FUSEBLOCK LABEL (EXAMPLE SHOWN)



2-POLE



3-POLE



Data Sheet: 1104

Fuse Bases for Ferrule Fuse Links

J70100 Series
700Vac (UL), 100A

Specifications

Description
Fuse blocks for cylindrical industrial fuse links. Screw mounting fixing.

Technical Data
Rated Voltage: 700Vac (UL)
Rated Current: 100A

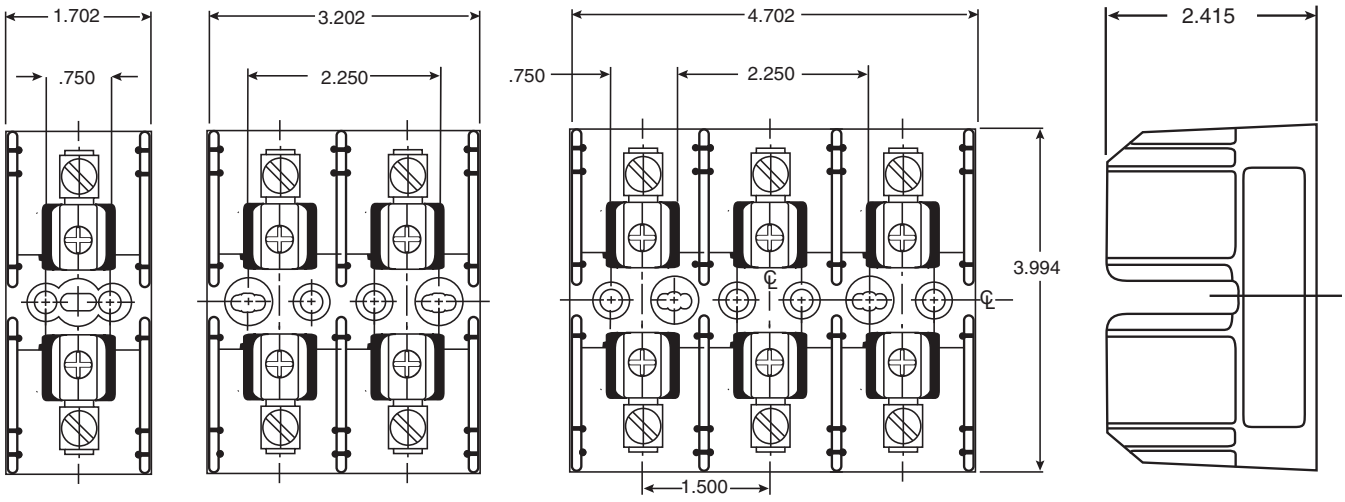
Compatible Fuse Links: FWP-A22F(I) see page 30

Standards/Agency Information
UL Recognised, Guide IZTL2, File 14853.

Catalogue Numbers

Terminal Type Screw w/Quick Connector	Fuse Link Size	Number of Poles
J70100-1CR	22x58mm	1
J70100-2CR		2
J70100-3CR		3

Dimensions - in



Data Sheet: 1211

Modular Fuse Holder

10x38mm, CHM Series

Specifications



Description
Fuse holder for cylindrical industrial fuse links for DIN-Rail mounting. Available with and without light indicator for fuse link operation.

Technical Data
Rated Voltage & Current: see tables below

Compatible Fuse Links: see page 109-110

Standards/Agency Information
See tables below

Catalogue Numbers

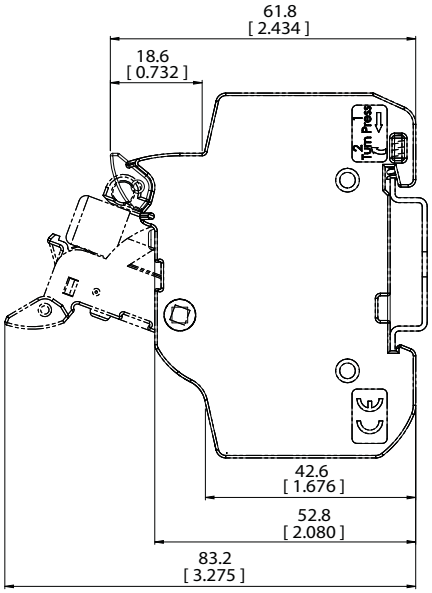
Series & Size	Catalogue Numbers		Rated Voltage & Rated Current	Agency Markings	Number of Poles	Terminal Rating	Rated Breaking Withstand Capactiy	Cooper Bussmann Fuse Links
	With Indicator	Without Indicator						
CHM 10x38 and Midget	CHM1DIU	CHM1DU	IEC 690Vac/32A UL 600Vac/30A;	IEC 60269-2 UR; CSA; CCC	1	IEC: 1 to 25mm² 70°C PVC/Copper Cable Solid, Stranded, Fine Stranded, Spade Lug, Comb Bus Bar; Single and Dual	IEC 120kA rms sym UL 200kA rms sym CCC 100kA rms sym	IEC: C10 Series UL: FNQ, KLM, FNM, KTK, BAF, FWA, PVM, AGU, BAN, FWC.
	CHM2DIU	CHM2DU			2			
	CHM3DIU	CHM3DU			3			
	CHM4DIU	CHM4DU			4			
	CHM1DNIU	CHM1DNU		IEC 60269-2	1-pole + 1 neutral			
	CHM3DNIU	CHM3DNU			3-pole + 1 neutral			
	CHM1DI-48U	N/A	IEC 48Vdc/32A UL 48Vdc/30A;	IEC 60269-2; UR; CSA; CCC	1			
	N/A	CHM1DNXU	IEC 690Vac/32A	IEC 60269-2	1 neutral		N/A	N/A
CHPV Photovoltaic	CHPV1IU	CHPV1U	IEC 1000Vdc/32A UL 1000Vdc/30A;	IEC 60269-1 UR; CSA; CCC UL4248-18	1		33kA	Solar PV series, PVM, PV-xxA10F
	CHPV2IU	CHPV2U			2			
CHCC Class CC	CHCC1DIU	CHCC1DU	UL 600Vac/30A	UL; CSA; CCC	1	Cable 75°C and 90°C Cu cable	200kA rms sym	LP-CC, FNQ-R, KTK-R
	CHCC2DIU	CHCC2DU			2			
	CHCC3DIU	CHCC3DU			3			
	N/A	CHCC1DI-48U	UL 48Vdc/30A		1			

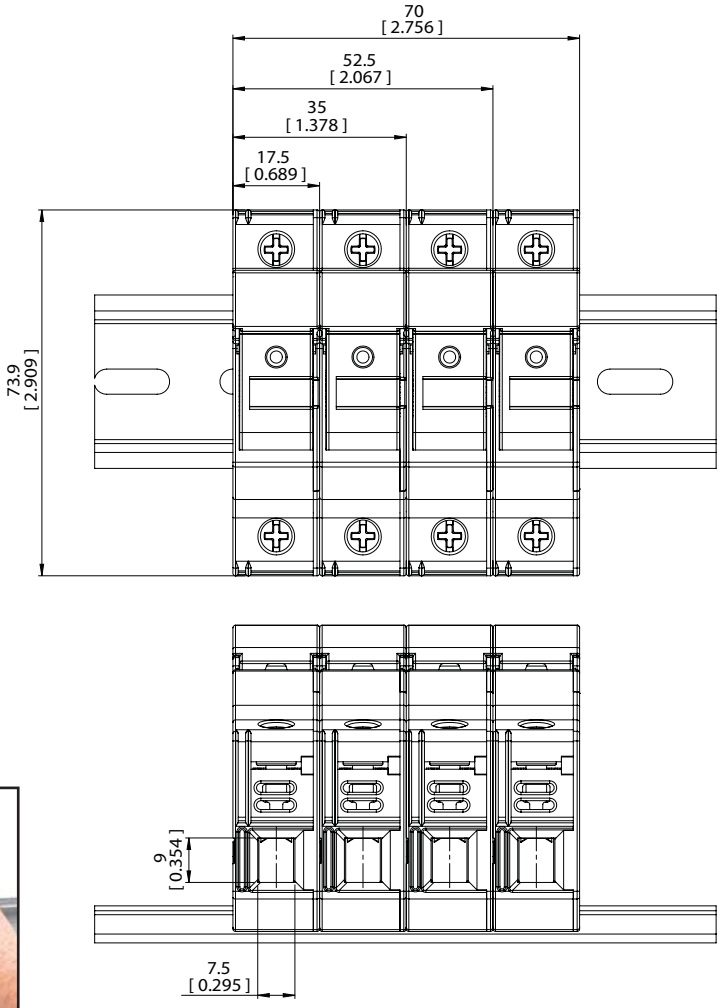
Data Sheet: 720147

Modular Fuse Holder

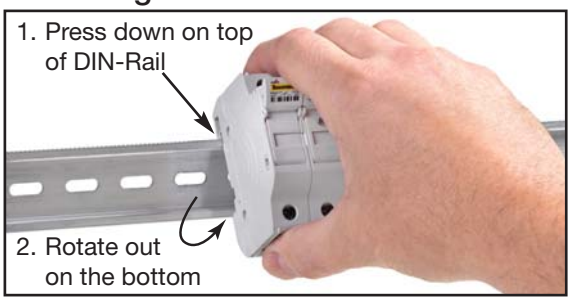
10x38mm, CHM Series

Dimensions - mm (in)





Removing Instructions



Modular Fuse Holder

14x51mm, CH14B Series

Part Numbers System

New Catalogue Numbers	Number of Poles	Description
Neutral Only		
CH141BNX	1	Neutral fuse holder
Fuse Holder Only		
CH141B	1	1-pole fuse holder
CH142B	2	2-pole fuse holder
CH143B	3	3-pole fuse holder
CH144B	4	4-pole fuse holder
Fuse Holder and Neutral		
CH141BN	2	1-pole + neutral fuse holder
CH143DN	4	3-pole + neutral fuse holder
Fuse Holder with Neon Indicator		
CH141BI	1	1-pole fuse holder with neon indicator
CH142BI	2	2-pole fuse holder with neon indicator
CH143BI	3	3-pole fuse holder with neon indicator
CH144BI	4	4-pole fuse holder with neon indicator
Fuse Holder with Neon Indicator and Neutral		
CH141BNI	2	1-pole + neutral fuse holder with neon indicator
CH143BNI	4	3-pole + neutral fuse holder with neon indicator
Fuse Holder with Microswitch		
CH141BMS	1	1-pole fuse holder with microswitch (fuse operation)
CH141BMS-F	1	1-pole fuse holder with microswitch (pre-breaking/fuse operation/presence)
CH143BMS	3	3-pole fuse holder with microswitch (fuse operation)
CH143BMS-F	3	3-pole fuse holder with microswitch (pre-breaking/fuse operation/presence)
Fuse Holder with Microswitch and Neutral		
CH143BNMS-F	4	3-pole + neutral fuse holder with microswitch (pre-breaking/fuse operation/ presence)
CH143DNMS	4	3-pole + neutral fuse holder with microswitch (fuse operation)

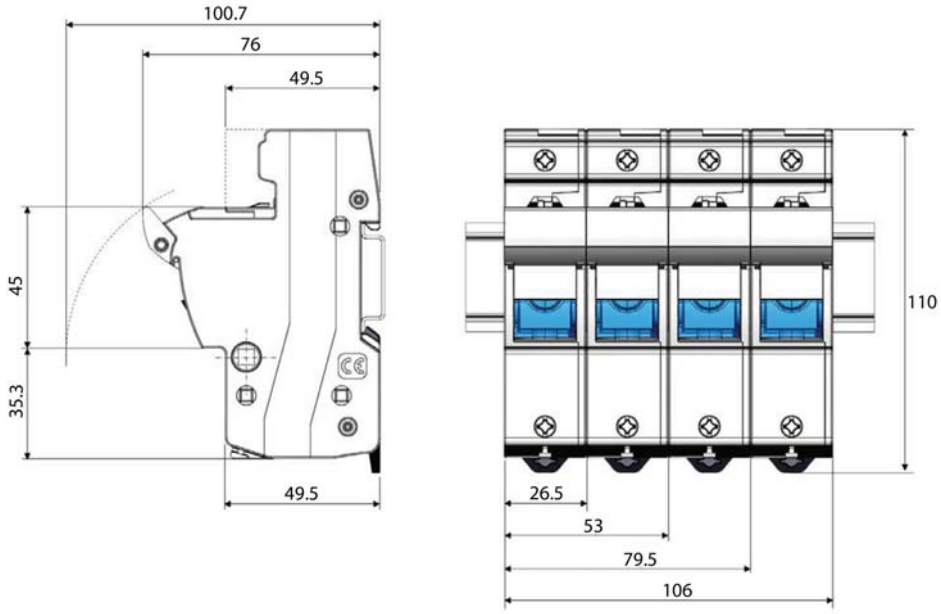
Accessories

Part Number	Description	Unit Packing
AL-D	Multi-pole ganging clips, one kit will gang up to 4-poles together	12
CH14-P	Multi-pole handle pins, one kit will gang up to 12 handles together	12
CH14-L	Lockout padlock support, it will accept up to 5mm diameter padlock shank	5
CH14-IP20	IP20 protection accessory, provides IP20 protection to terminals with 10mm^2 or less cable	12
CH14-MS1	1-pole microswitch accessory, provides detection of a blown fuse link	5
CH14-MS3	3-pole microswitch accessory, provides detection of a blown fuse link	3

Modular Fuse Holder

14x51mm, CH14B Series

Dimensions - mm



Data Sheet: 720148

Modular Fuse Holder

22x58mm CH22B Series
600Vac, 125A



Specifications

Description
Compact DIN-Rail mount fuse holders for 22x58mm cylindrical fuse links. Available in different versions with neutral and microswitch.

Technical Data

CH22B Series	IEC	UL
Rated Voltage	600Vac	600Vac/dc
Rated Current	125A	100A
SCCR	200kA	200kA

Compatible Fuse Links:
FW ferrule fuse links[1], see table below and page 30

Catalogue Numbers	Maximum Continuous Fuse Current
FWP-20A22F	20
FWP-25A22F	25
FWP-32A22F	32
FWP-40A22F	40
FWP-50A22F	50
FWP-63A22F	58
FWP-80A22F	66
FWP-100A22F	77

[1] **Please contact Bussmann Application Engineers if you wish to use a FWP fuse link with a striker option:** buletechnical@eaton.com.

Standards/Agency Information
- IEC 60269-1, 60269-2, 60947-1, 60947-3
- UL Recognised (CH22x**B** and CH22x**BN** only)

Modular Fuse Holder

22x58mm CH22B Series

600Vac, 125A

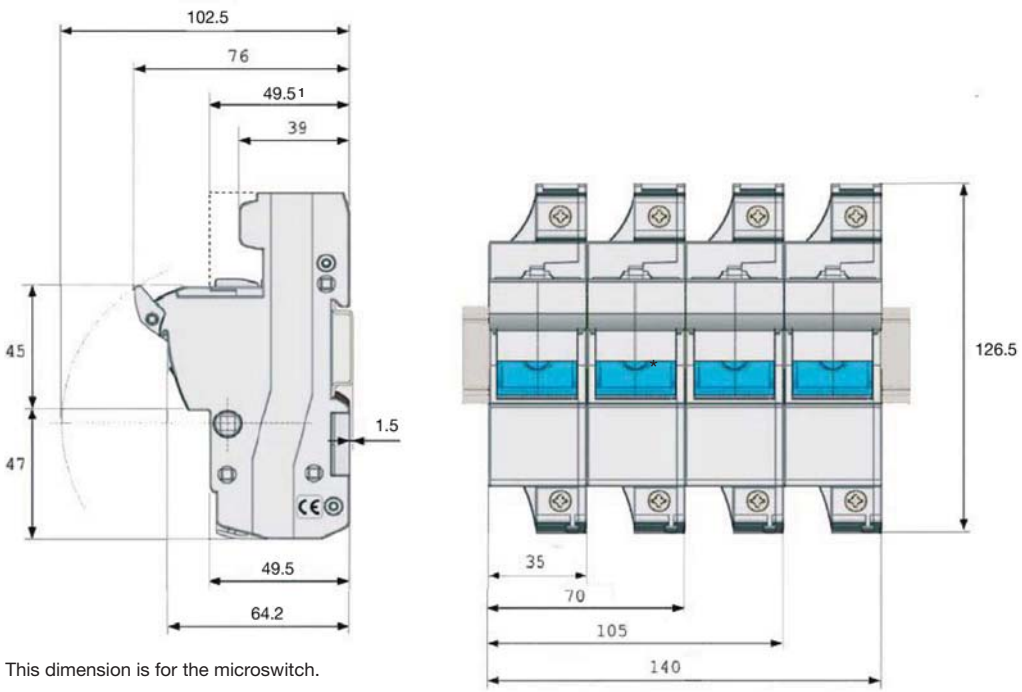
Part Numbers System

New Catalogue Numbers	Number of Poles	Description
Neutral Only		
CH221BNX	1	Neutral holder
Fuse Holder Only		
CH221B	1	1-pole fuse holder
CH222B	2	2-pole fuse holder
CH223B	3	3-pole fuse holder
CH224B	4	4-pole fuse holder
Fuse Holder and Neutral		
CH221BN	2	1-pole + neutral fuse holder
CH223BN	4	3-pole + neutral fuse holder
Fuse Holder with Microswitch		
CH221BMS	1	1-pole fuse holder with microswitch (fuse operation)
CH223BMS	3	3-pole fuse holder with microswitch (fuse operation)

Accessories

Part Number	Description	Unit Packing
AL-D	Multi-pole ganging clips, one kit will gang up to 4-poles together	12
CH14-P	Multi-pole handle pins, one kit will gang up to 12 handles together	12
CH22-L	Lockout padlock support, it will accept up to 5mm diameter padlock shank	5
CH22-IP20	IP20 protection accessory, provides IP20 protection to terminals with 10mm² or less cable	12
CH22-MS1	1-pole microswitch accessory, for blown fuse link monitoring	5
CH22-MS3	3-pole microswitch accessory, for blown fuse link monitoring	3

Dimensions - mm



[1] This dimension is for the microswitch.

Data Sheet: 720150

Microswitches for Square Body Fuse Links

Indicator Systems

High Speed square body fuse links are available with three different indicators.



1 - Visual Indicator
The indicator situated in one end plate is clearly visible as soon as the fuse link has operated. The minimum voltage for operating the indicator is 20V.

2 - Type T Indicator
The indicator is situated on one cover plate with a cover plate tag to accomodate an auxiliary switch. The minimum voltage for operating the indicator is 20V. A special low voltage indicator (1.5V) is available on request).

3 - Type K Indicator
The indicator is situated on the fuse link body. It is covered by an adaptor for snap-on mounting of an auxiliary switch. The operating voltage of the indicator is 1.5V. As a matter of safety, the factory mounted adaptor must not be removed from the fuse link.



Microswitches

Specifications
High Speed square body fuse links with either Type T indicator or Type K indicator can be equiped with a microswitch. For remote electrical indication of fuse link operations. All microswitches have one normally open and one normally closed contact.

Technical Data
Rated Voltage: 10 - 250Vac
Rated Current: 30mA - 2A

Catalogue Numbers

Fuse Size	DIN 43653		DIN 43620		French Style		Flush End		US Style	Terminal Size	
	Type T	Type K	aR	gR and Dual Indication	Type T	Type K	Type T	Type K	Type K	6.3 x 0.8mm Lugs	2.8 x 0.5mm Lugs
000	170H0236		170H0236	170H0236						X	
	170H0238		170H0238	170H0238							X
00	170H0235		170H0236	170H0236			170H0235			X	
	170H0237		170H0238	170H0238			170H0237				X
1*	170H0235	170H0069	170H0235		170H0236	170H0069		170H0069	170H0069	X	
	170H0237		170H0237		170H0238						X
1	170H0235	170H0069	170H0235[1]	170H0236	170H0236	170H0069		170H0069	170H0069	X	
	170H0237		170H0237[1]	170H0238	170H0238						X
2	170H0235	170H0069	170H0235	170H0236	170H0236	170H0069		170H0069	170H0069	X	
	170H0237		170H0237	170H0238	170H0238						X
3	170H0235	170H0069	170H0236	170H0236	170H0236	170H0069		170H0069	170H0069	X	
	170H0237		170H0238	170H0236	170H0238						X
4								170H0069		X	
23								170H0069		X	
24								170H0069		X	

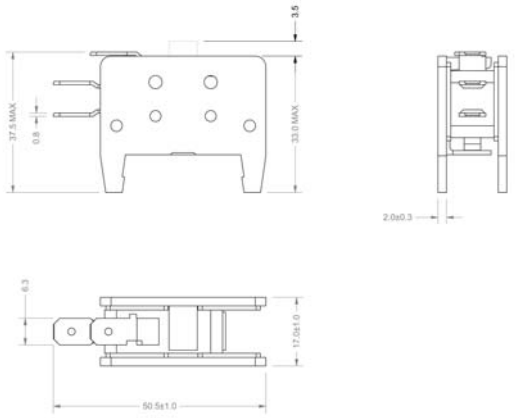
For special microswitches, double microswitches, DC rating of the microswitches, lower/higher signal levels and for insulation voltages please contact Bussmann: bulehighspeedtechnical@eaton.com

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

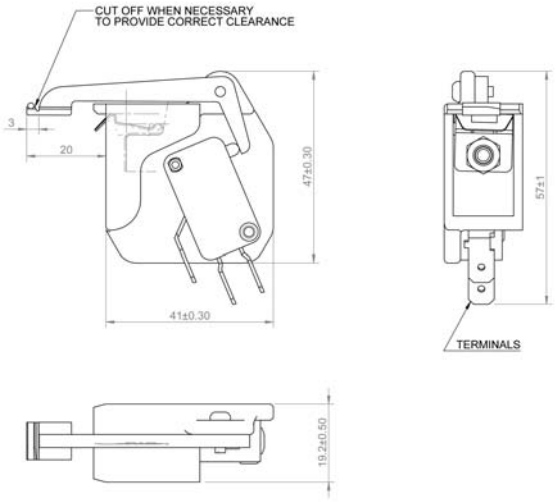
Microswitches for Square Body Fuse Links

Dimensions - mm

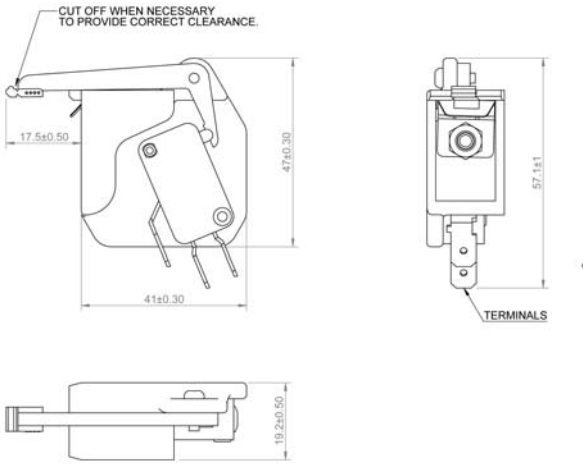
170H0069



170H0235/170H0237



170H0236/170H0238



Microswitches for British Standard BS88-4 Fuse Links

Trip Indicator/Microswitches

Specifications: Trip-indicator fuse links are available for use in parallel with the main BS88-4 fuse links. They can either be attached to the associated fuse link or mounted separately in panel mounted fuse clips. A push-on adaptor and microswitch attachment is available for use with the trip indicator to give the facility of remote indication.

Fuse ratings of 20A and below cannot usually accommodate a trip fuse link in parallel.

Catalogue Numbers

Trip Indicator Kit (Indicator + Clips)

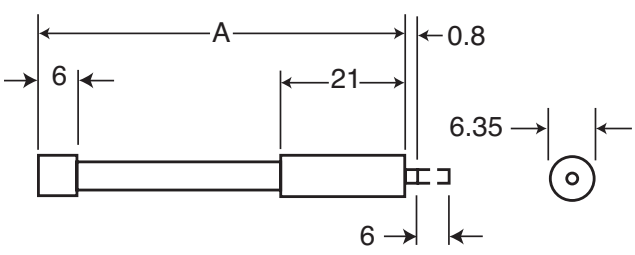
Fuse Type	Catalogue Number
ET	EC-600
EET	EC-600
FE	EC-600
FEE	EC-600
LET	EC-250
FM	MC-600
FMM	MC-600
LMT	MC-250
LMMT	MC-250



Indicator Only

Fuse Type	Rated Current (Vac)	Dim 'A' (mm)
TI250	250	37.6
TI500	500	47.5
TI600	600	55.7
TI700	700	61.8
TI1100	1100	98.4
TI1500	1500	120.8
TI2000	2000	147.5
TI2500	2500	198.3

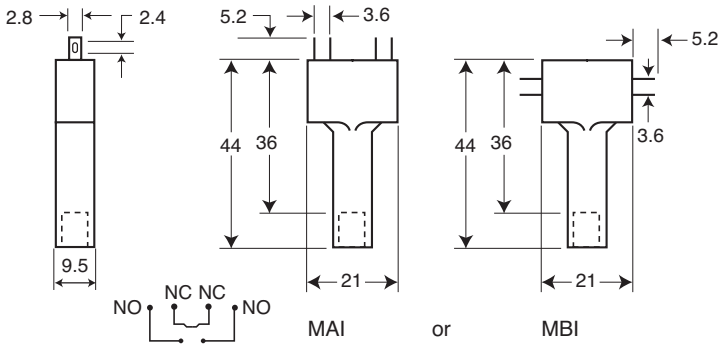
Dimensions - mm

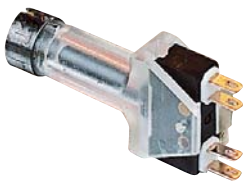




Microswitch/Adaptor: MAI and MBI

Dimensions - mm





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