Offset Tag fuse-links gM 690VAC/460VDC

LOW VOLTAGE IEC FUSES

BS FUSE-LINKS



The fuse complies with standard EN 60269-2 and standard BS 88 part 2. These fuses are designed for : “General purpose use” motor protection (gM type). This fuse range insures an excellent current limitation for all overloads on a large range of applications. Their size cannot allow exchange by other fuses of higher rating in their range. They are screwed into fuseholders or bolted directly onto busbars, or in fuse interrupters disconnectors.

TECHNICAL DATA OVERVIEW

Current rating In M Ich	10M16 to 80M100 A
Rated voltage AC (IEC)	690 V
Rated voltage DC (IEC)	460 V
Breaking capacity AC	80 kA
Breaking capacity DC	40 kA
Speed/Characteristic	gM
Body Material	Ceramic
BS type	BTIA, BTIS, BTCP

FEATURES & BENEFITS

- Excellent current limitation for all overloads

APPLICATIONS

- These fuses are designed for : “General purpose use” motor protection (gM type)

STANDARDS

- EN 60269-2
- BS88-2

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PRODUCT RANGE

Type A2 690VAC/460VDC gM BTIA

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Current rating In M Ich	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Rated breaking capacity DC	Power dissi-pation at I_n	Weight
BTIA69V10M16	A1019751	690 V	460 V	10M16 A	120 A^2s	580 A^2s	80 kA	40 kA	1 W	56 g
BTIA69V16M20	B1019752	690 V	460 V	16M20 A	250 A^2s	1450 A^2s	80 kA	40 kA	1.4 W	56 g
BTIA69V20M25	Q1019259	690 V	460 V	20M25 A	420 A^2s	2500 A^2s	80 kA	40 kA	1.6 W	56 g
BTIA69V20M32	R1019260	690 V	460 V	20M32 A	670 A^2s	3900 A^2s	80 kA	40 kA	1.8 W	56 g
BTIA69V25M32	C1019753	690 V	460 V	25M32 A	670 A^2s	3900 A^2s	80 kA	40 kA	2.3 W	56 g
BTIA69V32M36	A1019268	690 V	460 V	32M36 A	700 A^2s	4500 A^2s	80 kA	40 kA	3.4 W	56 g
BTIA69V32M40	X1019265	690 V	460 V	32M40 A	1300 A^2s	7400 A^2s	80 kA	40 kA	3.2 W	56 g
BTIA69V32M50	Y1019266	690 V	460 V	32M50 A	2600 A^2s	15000 A^2s	80 kA	40 kA	3 W	56 g
BTIA69V32M63	Z1019267	690 V	460 V	32M63 A	4000 A^2s	23000 A^2s	80 kA	40 kA	3 W	56 g

Type A3 690VAC/460VDC gM BTIS



BTIS69V32M50

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Current rating In M Ich	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Rated breaking capacity DC	Power dissi-pation at I_n	Weight
BTIS69V32M36	C1019270	690 V	460 V	32M36 A	700 A^2s	4500 A^2s	80 kA	40 kA	3.4 W	57.5 g
BTIS69V32M40	D1006598	690 V	460 V	32M40 A	1300 A^2s	7400 A^2s	80 kA	40 kA	3.2 W	57.5 g
BTIS69V32M50	E1006599	690 V	460 V	32M50 A	2600 A^2s	15000 A^2s	80 kA	40 kA	3 W	57.5 g
BTIS69V32M63	F1006600	690 V	460 V	32M63 A	4000 A^2s	23000 A^2s	80 kA	40 kA	3 W	57.5 g

Type A4 690VAC/460VDC gM BTCP



BTCP69V63M80

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Current rating In M Ich	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Rated breaking capacity DC	Power dissi-pation at I_n	Weight
BTCP69V63M100	W1006614	690 V	460 V	63M100 A	14000 A^2s	80000 A^2s	80 kA	40 kA	4.7 W	0.11 kg
BTCP69V63M80	V1006613	690 V	460 V	63M80 A	8500 A^2s	48500 A^2s	80 kA	40 kA	5.1 W	0.11 kg
BTCP69V80M100	Z1054365 [1]	690 V	460 V	80M100 A	14000 A^2s	80000 A^2s	80 kA	40 kA	6 W	0.11 kg

[1] Product not compliant with ASTA 20 CERTIF.

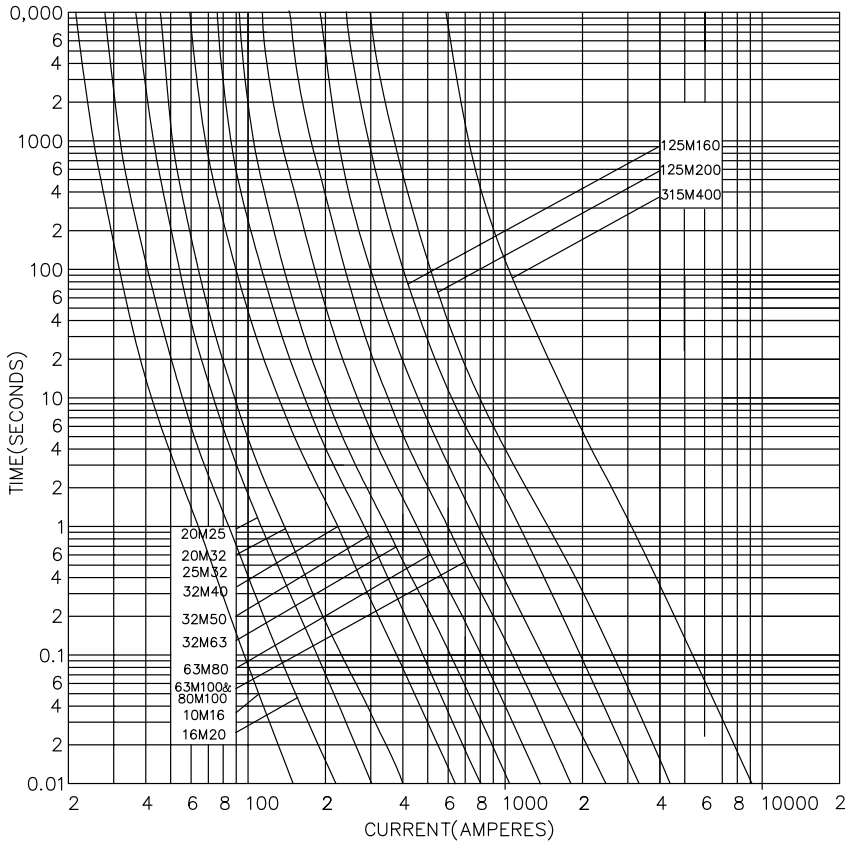
Type A4C 690VAC/460VDC gM BTCP

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Current rating In M Ich	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Rated breaking capacity DC	Power dissi-pation at I_n	Weight
BTCP69V32M36	K1019277	690 V	460 V	32M36 A	700 A^2s	4500 A^2s	80 kA	40 kA	3.4 W	82 g
BTCP69V32M40	L1019278	690 V	460 V	32M40 A	1300 A^2s	7400 A^2s	80 kA	40 kA	3.2 W	82 g
BTCP69V32M50	M1019279	690 V	460 V	32M50 A	2600 A^2s	15000 A^2s	80 kA	40 kA	3 W	82 g
BTCP69V32M63	N1019280	690 V	460 V	32M63 A	4000 A^2s	23000 A^2s	80 kA	40 kA	3 W	82 g

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TIME CURRENT CHARACTERISTIC CURVES

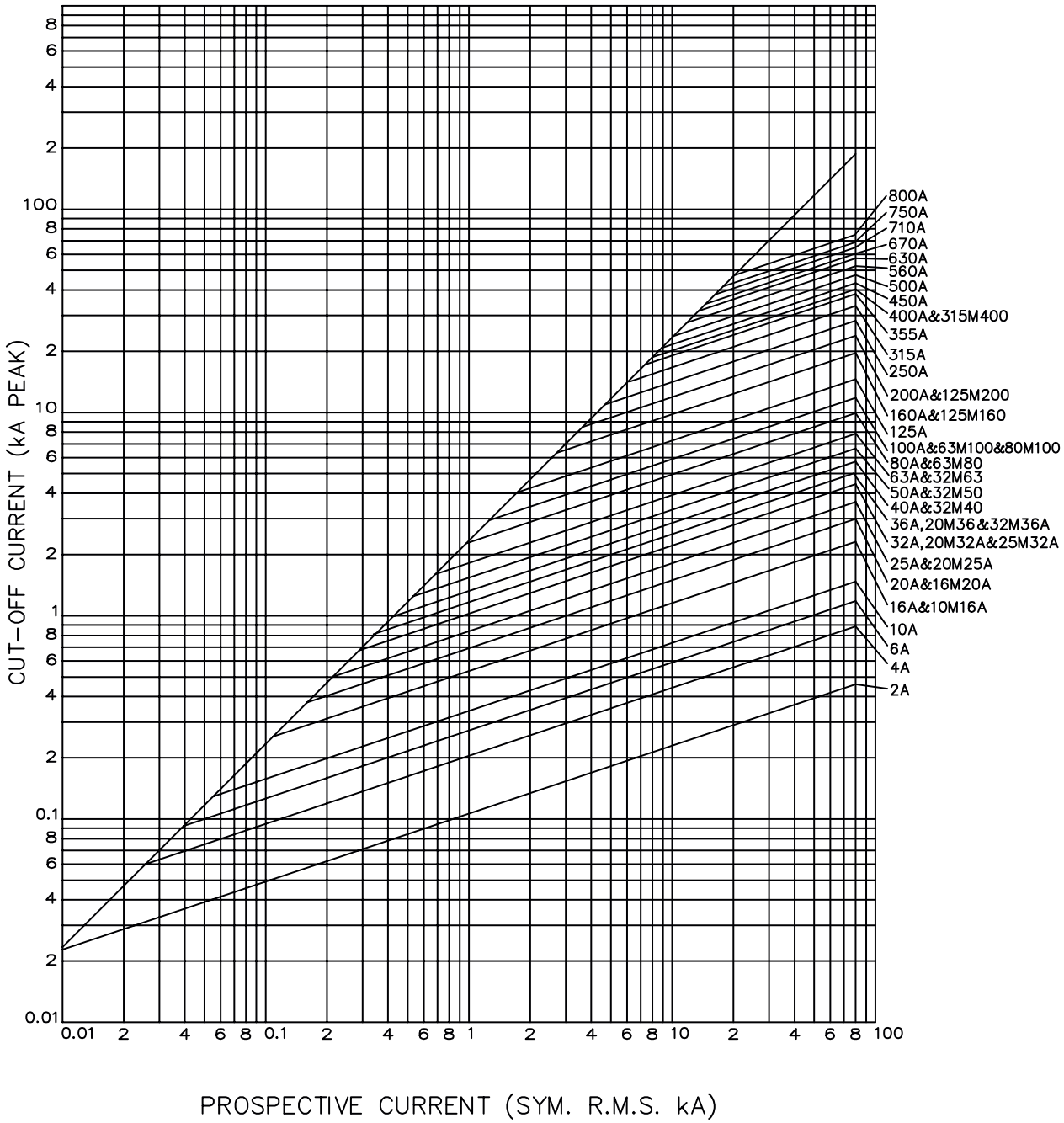
gM curve - 10M16 to 80M100 A - 690VAC / 460VDC



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CUT-OFF CURRENT CHARACTERISTIC

A Type - 690VAC / 460VDC

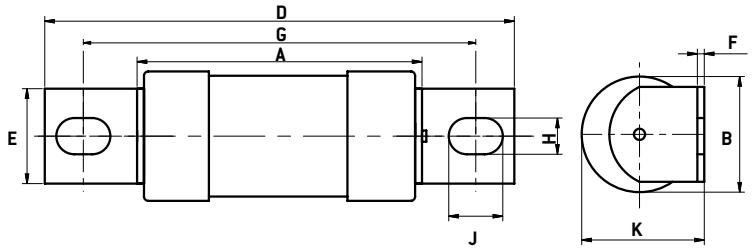


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DIMENSIONS

A2 BTIA / A3 BTIS / A4C BTCP / A4 BTCP



Dimensions in mm

BS REF	Fuse Type	Current rating (A)	A MAX	B MAX	D MAX	E MAX	F NOM	G NOM	H NOM	J NOM	K MAX
A2	BTIA	10M16, 16M20, 20M25, 20M32, 25M32	56.5	21.9	86	9.2	1.2	73	8	5.5	23.5
A2	BTIA	32M36, 32M40, 32M50, 32M63	54.5	21	86	8.7	1.2	73	8	5.5	22.3
A3	BTIS	32M36, 32M40, 32M50, 32M63	54.5	21	87	12.7	1.2	73	8	5.5	22.5
A4C	BTCP	32M36, 32M40, 32M50, 32M63	57.5	21	109	14.3	3.2	94	11	8.7	22.3
A4	BTCP	63M80, 63M100, 80M100	59.5	26.9	111	19.5	2.4	94	11	8.7	28.5

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