Offset Tag fuse-links gM 415VAC/240VDC

LOW VOLTAGE IEC FUSES

BS FUSE-LINKS



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

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	32M40 to 200M315 A
Rated voltage AC (IEC)	415 V
Rated voltage DC (IEC)	240 V
Breaking capacity AC	80 kA
Breaking capacity DC	40 kA
Speed/Characteristic	gM
Body Material	Ceramic

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Offset Tag fuse-links gM 415VAC/240VDC

PRODUCT RANGE



BTIA42V32M63

Type A2 415VAC/250VDC 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 dissipation at I_n	Weight
BTIA42V32M40	G226280	415 V	250 V	32M40 A	1300 A^2s	4200 A^2s	80 kA	40 kA	2.4 W	54 g
BTIA42V32M50	H226251	415 V	250 V	32M50 A	2600 A^2s	8750 A^2s	80 kA	40 kA	2.3 W	54 g
BTIA42V32M63	K226283	415 V	250 V	32M63 A	4000 A^2s	13900 A^2s	80 kA	40 kA	2.4 W	54 g



BTIS42V100M125

Type A3 415VAC/240VDC gM BTIS

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 dissipation at I_n	Weight
BTIS42V63M80	R226289J	415 V	240 V	63M80 A	5500 A^2s	38250 A^2s	80 kA	40 kA	5.1 W	60 g
BTIS42V63M100	S226290J	415 V	240 V	63M100 A	14000 A^2s	650000 A^2s	80 kA	40 kA	5.5 W	60 g
BTIS42V80M100	G1065389	415 V	240 V	80M100 A	14000 A^2s	650000 A^2s	80 kA	40 kA	6 W	60 g
BTIS42V100M125	N1019188	415 V	240 V	100M125 A	28000 A^2s	78400 A^2s	80 kA	40 kA	9 W	82 g
BTIS42V100M160	Q1019190	415 V	240 V	100M160 A	60000 A^2s	168000 A^2s	80 kA	40 kA	8.8 W	88 g

Type A3 415VAC/240VDC gM BTSDS

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 dissipation at I_n	Weight
BTSDS42V63M80	H1019183	415 V	240 V	63M80 A	8500 A^2s	38250 A^2s	80 kA	40 kA	5.1 W	58 g
BTSDS42V63M100	J1019184	415 V	240 V	63M100 A	14000 A^2s	65000 A^2s	80 kA	40 kA	4.7 W	58 g
BTSDS42V100M125	K1019185	415 V	240 V	100M125 A	16000 A^2s	70000 A^2s	80 kA	40 kA	9.2 W	84 g

Type A4C 415VAC /240VDC gM BTSD

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 dissipation at I_n	Weight
BTSD42V63M80	B1019200	415 V	240 V	63M80 A	8500 A^2s	38250 A^2s	80 kA	40 kA	5.1 W	60 g
BTSD42V63M100	C1019201	415 V	240 V	63M100 A	14000 A^2s	65000 A^2s	80 kA	40 kA	4.7 W	60 g
BTSD42V80M100	X1054363	415 V	240 V	80M100 A	14000 A^2s	65000 A^2s	80 kA	40 kA	6 W	60 g
BTSD42V100M125	D1019202	415 V	240 V	100M125 A	16000 A^2s	70000 A^2s	80 kA	40 kA	9.2 W	60 g



BTCP42V100M200

Type A4C 415VAC/240VDC 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 dissipation at I_n	Weight
BTCP42V100M125	A226297	415 V	240 V	100M125 A	28000 A^2s	78400 A^2s	80 kA	40 kA	9 W	0.16 kg
BTCP42V100M160	B226298	415 V	240 V	100M160 A	60000 A^2s	168000 A^2s	80 kA	40 kA	8.8 W	0.16 kg
BTCP42V100M200	C226299	415 V	240 V	100M200 A	105000 A^2s	293000 A^2s	80 kA	40 kA	8.1 W	0.16 kg

Type A4X 415VAC/240VDC gM BTFP

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 dissipation at I_n	Weight
BTFP42V200M250	G226303A	415 V	240 V	200M250 A	190000 A^2s	532000 A^2s	80 kA	40 kA	19.2 W	0.29 kg
BTFP42V200M315	H226304A	415 V	240 V	200M315 A	270000 A^2s	756000 A^2s	80 kA	40 kA	19.7 W	0.29 kg

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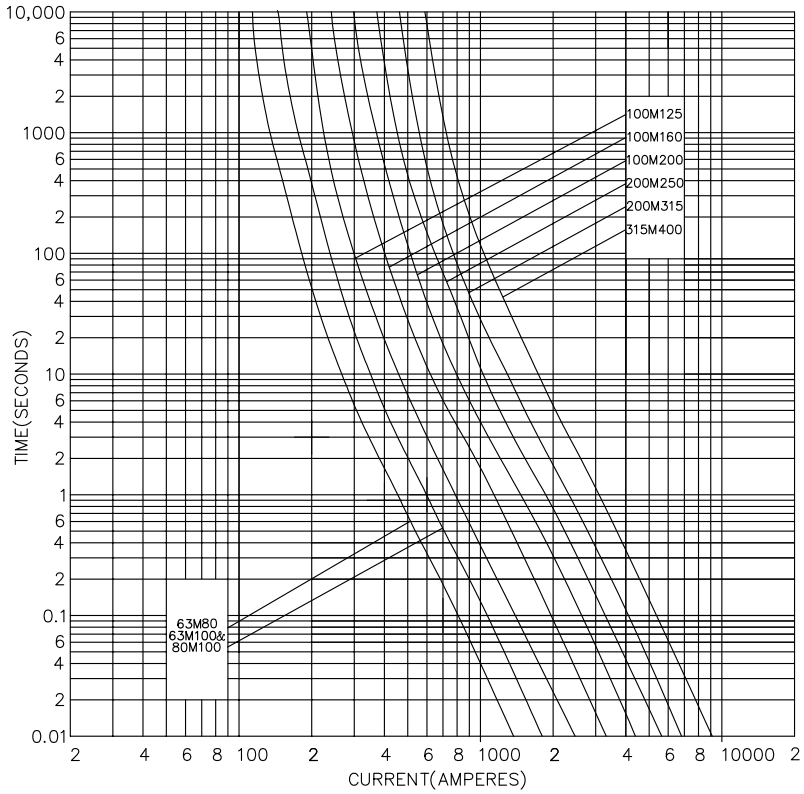
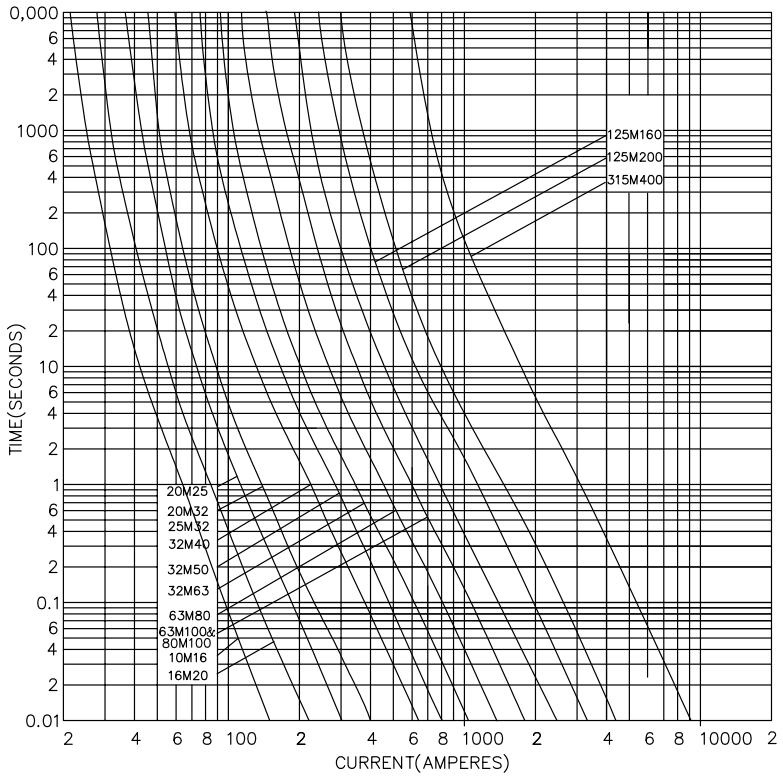
TIME CURRENT CHARACTERISTIC CURVES

gM curves - 63M80 to 200M315A - 415VAC / 240VDC



gM curves - 32M40 to 32M63 - 415VAC / 240VDC



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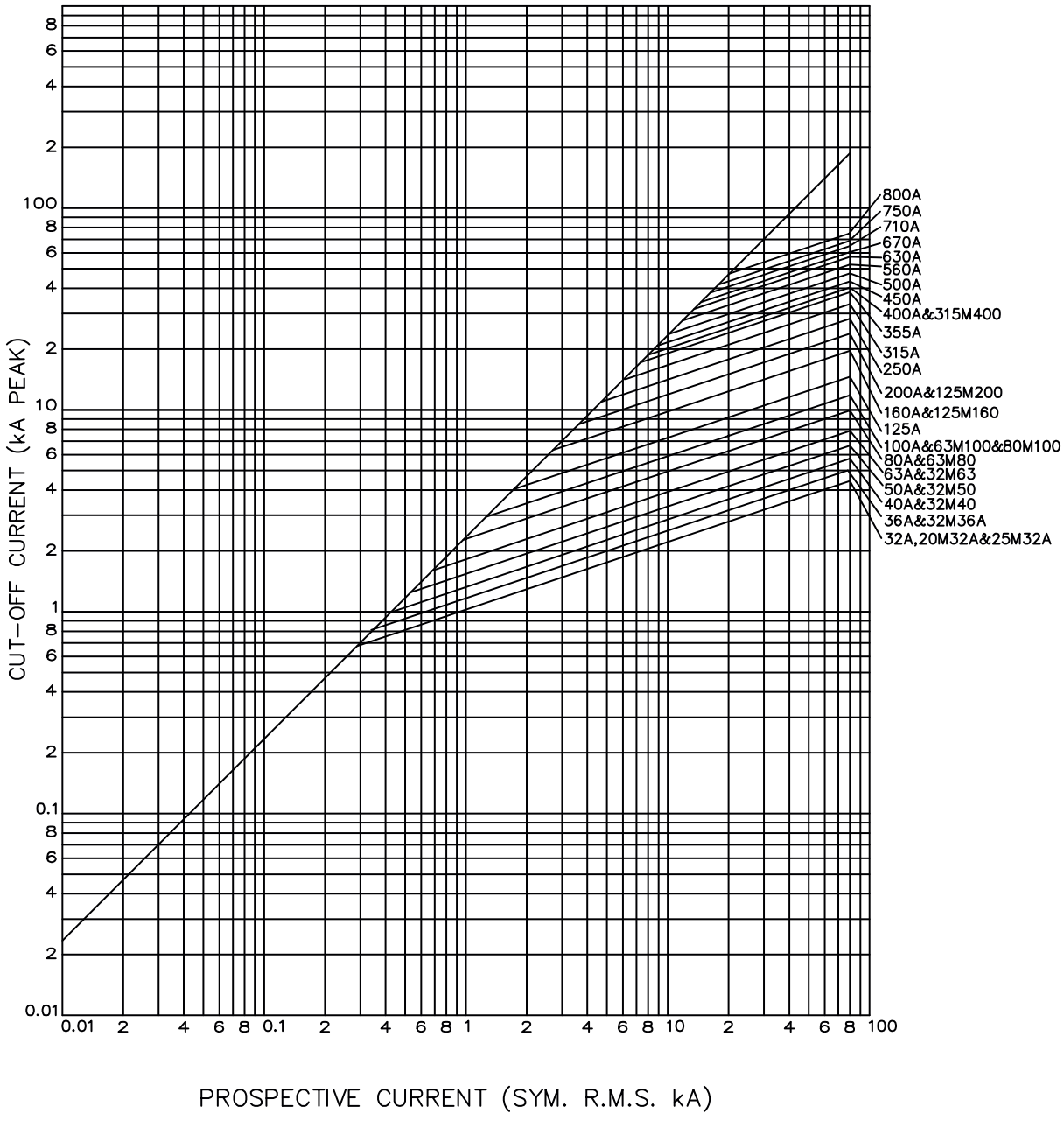
CUT-OFF CURRENT CHARACTERISTIC

A Type - 415VAC / 240VDC



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DIMENSIONS

A3 BTIS / A3 BTSDS / A4C BTSD / A4C BTCP / A4X BTFP

Fig.1

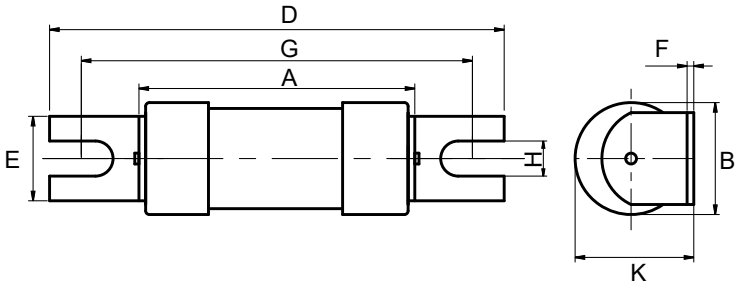
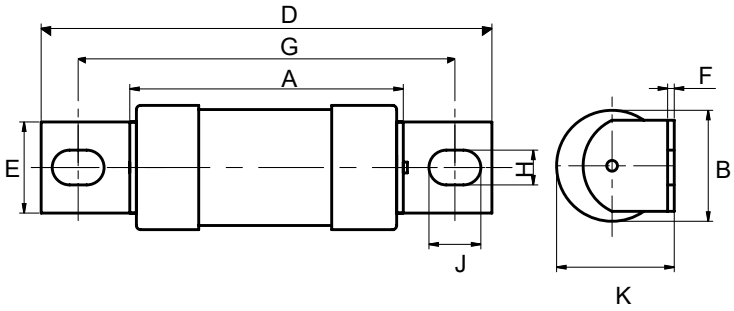


Fig.2



Dimensions in mm

Fig.	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
1	A3	BTIS	100M125, 100M160	57	26.9	88.5	13	13	73	5.5	-	28
2	A2	BTIA	63M80, 63M100, 80M100, 100M125	56.5	21.9	86	9.2	1.2	73	8	5.5	14.5
2	A3	BTSDS	63M80, 63M100, 80M100, 100M125	54.5	21	87	12.7	12.7	5.5	8	8	22.5
2	A4C	BTSD	100M125, 100M160	58.5	21	110	14.3	14.3	8.7	11	11	24.5
2	A4C	BTCP	100M200	59.5	26.9	111	19.5	19.5	8.7	11	11	28.5
2	A4C	BTCP	200M250, 200M315	47	31	110	19	19	9	10	10	32
2	A4X	BTFP		76	41.9	111	19.5	19.5	8.7	11	11	44

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