Central Bolted Tag fuse-links gG 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” protection (gG 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” protection (gG 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 Range In	32 to 800 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	gG
Body Material	Ceramic
BS type	BTBC, BTC, BTSD, BTF, BTKF, BTKM, BTMF, BTM, BTTM, BTLM

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Central Bolted Tag fuse-links gG 415VAC/240VDC

PRODUCT RANGE

Type B1C 415VAC/240VDC gG BTBC 2 hole

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Rated breaking capacity DC	Power dissipation at I_n	Weight
BTBC42V32	J226305	415 V	240 V	32 A	700 A²s	3000 A²s	80 kA	40 kA	3.6 W	0.13 kg
BTBC42V40	K226306	415 V	240 V	40 A	1300 A²s	5850 A²s	80 kA	40 kA	4 W	0.13 kg
BTBC42V50	L226307	415 V	240 V	50 A	2600 A²s	11700 A²s	80 kA	40 kA	4.8 W	0.13 kg
BTBC42V63	M226308	415 V	240 V	63 A	4000 A²s	17500 A²s	80 kA	40 kA	5.9 W	0.13 kg

Type B1C 415VAC/240VDC gG BTC 2 hole



BTC42V100

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	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
BTC42V80	Y1045302	415 V	240 V	80 A	8500 A²s	38250 A²s	80 kA	40 kA	6.5 W	84.5 g
BTC42V100	Z1045303	415 V	240 V	100 A	14000 A²s	65000 A²s	80 kA	40 kA	7.5 W	84.5 g

Type B1 415VAC/240VDC gG BTC

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	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
BTC42V125	E1019203	415 V	240 V	125 A	28000 A²s	78400 A²s	80 kA	40 kA	11.3 W	0.12 kg
BTC42V160	F1019204	415 V	240 V	160 A	60000 A²s	168000 A²s	80 kA	40 kA	8.8 W	0.12 kg

Type B1C 415VAC /240VDC gG BTSDC

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	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
BTSDC42V100	H1019206	415 V	240 V	100 A	14000 A²s	65000 A²s	80 kA	40 kA	7.5 W	86 g
BTSDC42V125	J1019207	415 V	240 V	125 A	16000 A²s	70000 A²s	80 kA	40 kA	11.5 W	86 g

Type B2C 415VAC/240VDC gG BTF 2 hole



BTF42V125

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	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
BTF42V125	T226314	415 V	240 V	125 A	17000 A²s	70000 A²s	80 kA	40 kA	9.2 W	0.15 kg
BTF42V160	V226315	415 V	240 V	160 A	57000 A²s	150000 A²s	80 kA	40 kA	10.7 W	0.15 kg
BTF42V200	W226316	415 V	240 V	200 A	105000 A²s	293000 A²s	80 kA	40 kA	16.2 W	0.15 kg

Type B3 415VAC/240VDC gG BTKF 2 hole



BTKF42V250

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	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
BTKF42V250	Z226319	415 V	240 V	250 A	190000 A²s	532000 A²s	80 kA	40 kA	24 W	0.31 kg
BTKF42V315	A226320	415 V	240 V	315 A	270000 A²s	756000 A²s	80 kA	40 kA	31 W	0.31 kg

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PRODUCT RANGE



BTKM42V315

Type B3X 415VAC/240VDC gG BTKM 2 hole

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Rated breaking capacity DC	Power dissipation at I_n	Weight
BTKM42V250	C226322	415 V	240 V	250 A	190000 A²s	532000 A²s	80 kA	40 kA	24 W	0.34 kg
BTKM42V315	D226323	415 V	240 V	315 A	270000 A²s	756000 A²s	80 kA	40 kA	31 W	0.34 kg



BTMF42V400

Type B4 415VAC/240VDC gG BTMF 2 hole

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Rated breaking capacity DC	Power dissipation at I_n	Weight
BTMF42V355	E226324	415 V	240 V	355 A	395000 A²s	1106000 A²s	80 kA	40 kA	32 W	0.61 kg
BTMF42V400	F226325	415 V	240 V	400 A	505000 A²s	1414000 A²s	80 kA	40 kA	38 W	0.61 kg



BTM42V400

Type C1 415VAC/240VDC gG BTM 4 hole

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Rated breaking capacity DC	Power dissipation at I_n	Weight
BTM42V355	G226326	415 V	240 V	355 A	395000 A²s	1106000 A²s	80 kA	40 kA	32 W	0.73 kg
BTM42V400	H226327	415 V	240 V	400 A	505000 A²s	1414000 A²s	80 kA	40 kA	38 W	0.73 kg



BTTM42V630

Type C2 415VAC/240VDC gG BTTM 4 hole

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Rated breaking capacity DC	Power dissipation at I_n	Weight
BTTM42V450	J226328	415 V	240 V	450 A	650000 A²s	1820000 A²s	80 kA	40 kA	42 W	1.1 kg
BTTM42V500	K226329	415 V	240 V	500 A	850000 A²s	2380000 A²s	80 kA	40 kA	48 W	1.1 kg
BTTM42V560	L226330	415 V	240 V	560 A	1200000 A²s	3360000 A²s	80 kA	40 kA	50 W	1.1 kg
BTTM42V630	M226331	415 V	240 V	630 A	1546000 A²s	4437000 A²s	80 kA	40 kA	54 W	1.1 kg

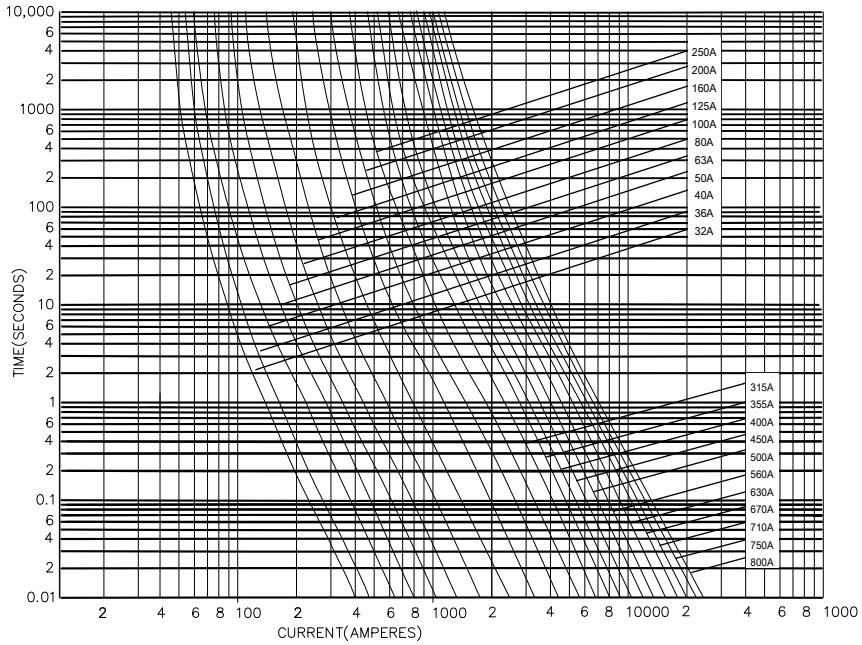
Type C3 415VAC/240VDC gG BTLM 4 hole

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Rated breaking capacity DC	Power dissipation at I_n	Weight
BTLM42V670	N226332	415 V	240 V	670 A	1950000 A²s	5460000 A²s	80 kA	40 kA	60 W	1.36 kg
BTLM42V710	P226333	415 V	240 V	710 A	2400000 A²s	6720000 A²s	80 kA	40 kA	62 W	1.36 kg
BTLM42V750	Q226334	415 V	240 V	750 A	3000000 A²s	8400000 A²s	80 kA	40 kA	65 W	1.36 kg
BTLM42V800	R226335	415 V	240 V	800 A	3769000 A²s	1.09E007 A²s	80 kA	40 kA	68 W	1.36 kg

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TIME CURRENT CHARACTERISTIC CURVES

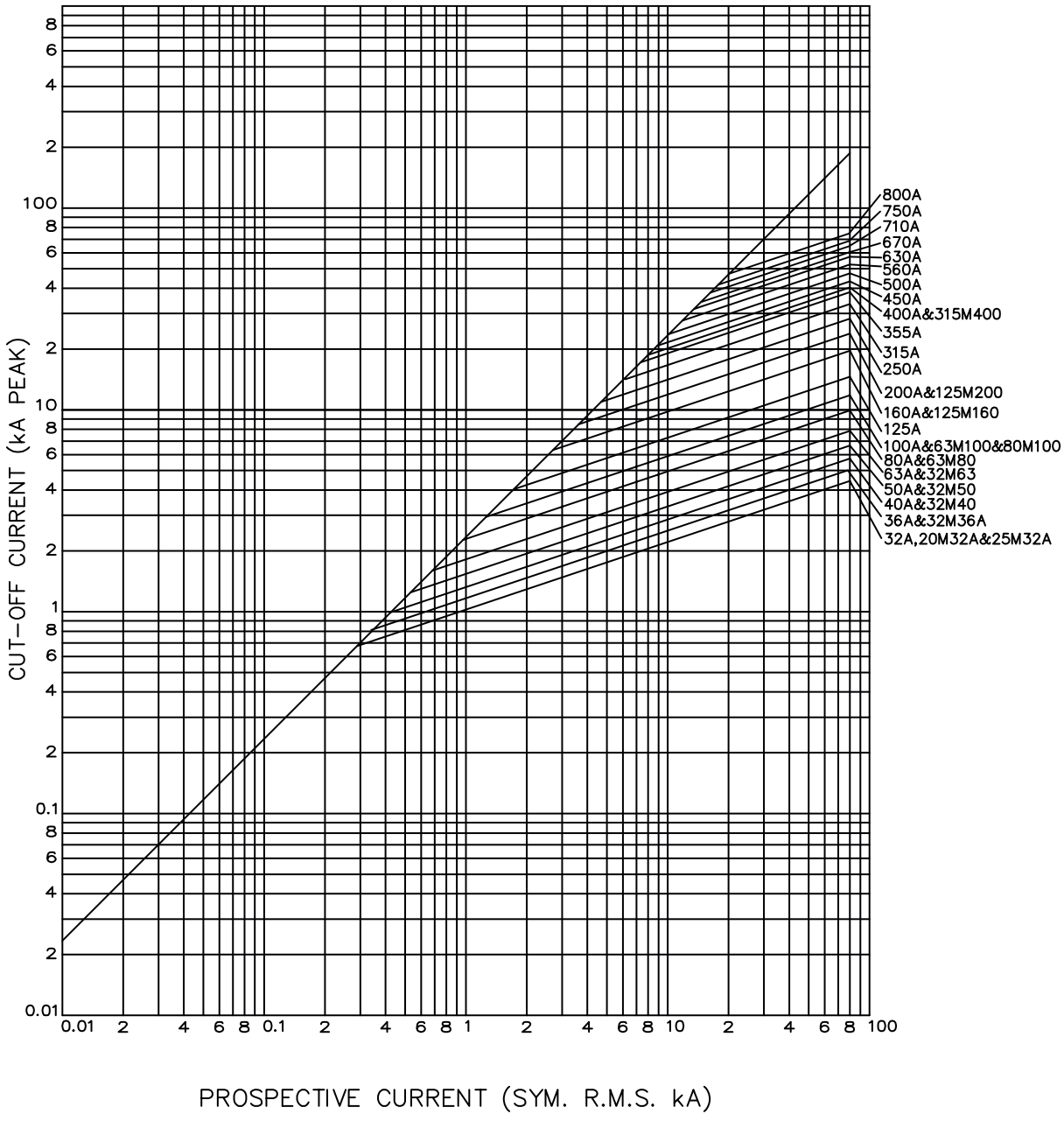
gG curves - 32 to 800 A - 415VAC / 240VDC



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CUT-OFF CURRENT CHARACTERISTIC

B and C Type - 415VAC / 240VDC



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DIMENSIONS

B&C-type dimensions

Fig.1

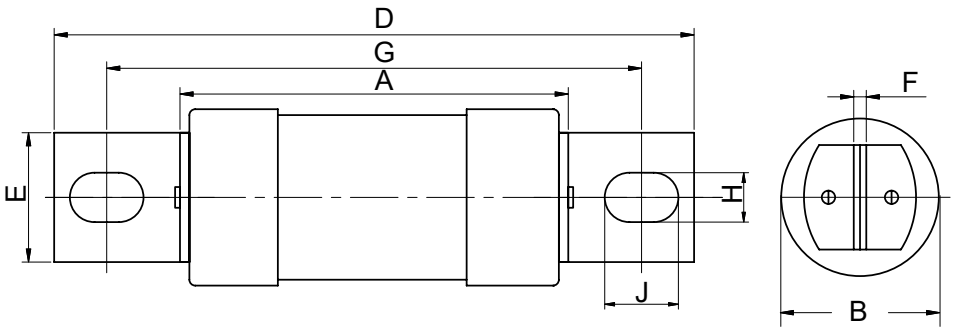
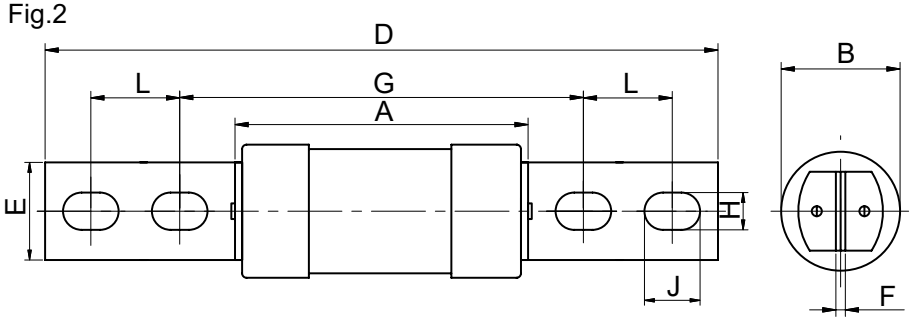


Fig.2



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	L NOM
Fig.1	B1C	BTBC	32, 40, 50, 63	57	26.9	137	19.5	3.2	111	8.7	14	-
Fig.1	B1C	BTC	80, 100	58.5	21	137	14.3	3.2	111	8.7	11.1	-
Fig.1	B1C	BTSDC	80, 100, 125	58.5	21	137	14.3	3.2	111	8.7	11.1	-
Fig.1	B1	BTC	125, 160, 200	57	26.9	137	19.5	3.2	111	8.7	14	-
Fig.1	B2C	BTF	125, 160, 200	47	31	136	19	3.2	111	9	12.5	-
Fig.1	B3	BTKF	250, 315	73	41.9	138	19.5	3.2	111	8.7	14	-
Fig.1	B3X	BTKM	250, 315	73	41.9	159	26	3.2	133	10.3	14	-
Fig.1	B4	BTMF	355, 400	75	59.1	138	26	4.8	111	8.1	14	-
Fig.2	C1	BTM	355, 400	75	59.1	212	26	4.8	133	10.3	16	25.4
Fig.2	C2	BTTM	450, 500, 560, 630	83	74.4	212	26	6.3	133	10.3	16	25.4
Fig.2	C3	BTLM	670, 710, 750, 800	86	82.4	212	26	9.5	133	10.3	16	25.4

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