# Offset 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 | 36 to 200 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 | BTIS, BTSDS, BTSS, BTSD, BTCP, BTFP |





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# Offset Tag fuse-links gG 415VAC/240VDC

## PRODUCT RANGE



BTIS42V63

### Type A3 415VAC/240VDC gG BTIS

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| BTIS42V36 | M1045269 | 415 V | 240 V | 36 A | 1000 A²s | 4000 A²s | 80 kA | 40 kA | 2.8 W | 88.7 g |
| BTIS42V40 | N1045270 | 415 V | 240 V | 40 A | 1300 A²s | 4200 A²s | 80 kA | 40 kA | 3 W | 88.7 g |
| BTIS42V50 | P1045271 | 415 V | 240 V | 50 A | 2600 A²s | 8750 A²s | 80 kA | 40 kA | 3.6 W | 88.7 g |
| BTIS42V63 | Q1045272 | 415 V | 240 V | 63 A | 4000 A²s | 13900 A²s | 80 kA | 40 kA | 4.7 W | 88.7 g |
| BTIS42V80 | R1045273 | 415 V | 240 V | 80 A | 8500 A²s | 38250 A²s | 80 kA | 40 kA | 6.5 W | 88.7 g |
| BTIS42V100 | S1045274 | 415 V | 240 V | 100 A | 14000 A²s | 65000 A²s | 80 kA | 40 kA | 7.5 W | 88.7 g |
| BTIS42V125 | L1019186 | 415 V | 240 V | 125 A | 28000 A²s | 78400 A²s | 80 kA | 40 kA | 11.3 W | 88.7 g |
| BTIS42V160 | M1019187 | 415 V | 240 V | 160 A | 60000 A²s | 168000 A²s | 80 kA | 40 kA | 14 W | 88.7 g |



BTSDS42V125

### Type A3 415VAC/240VDC gG BTSDS

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| BTSDS42V80 | E1019180 | 415 V | 240 V | 80 A | 8500 A²s | 38250 A²s | 80 kA | 40 kA | 6.5 W | 59 g |
| BTSDS42V100 | F1019181 | 415 V | 240 V | 100 A | 14000 A²s | 65000 A²s | 80 kA | 40 kA | 7.5 W | 59 g |
| BTSDS42V125 | G1019182 | 415 V | 240 V | 125 A | 16000 A²s | 70000 A²s | 80 kA | 40 kA | 11.5 W | 59 g |

### Type A3C 415VAC/240VDC gG BTSS

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| BTSS42V63 | V1019194 | 415 V | 240 V | 63 A | 4000 A²s | 13900 A²s | 80 kA | 40 kA | 4.7 W | 32.5 g |

### Type A4C 415VAC /240VDC gG BTSD

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| BTSD42V80 | Y1019197 | 415 V | 240 V | 80 A | 8500 A²s | 38250 A²s | 80 kA | 40 kA | 6.5 W | 82 g |
| BTSD42V100 | Z1019198 | 415 V | 240 V | 100 A | 14000 A²s | 65000 A²s | 80 kA | 40 kA | 7.5 W | 82 g |
| BTSD42V125 | A1019199 | 415 V | 240 V | 125 A | 16000 A²s | 70000 A²s | 80 kA | 40 kA | 11.5 W | 82 g |



BTCP42V100

### Type A4C 415VAC gG BTCP

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| BTCP42V36 | T1045275 | 415 V | 240 V | 36 A | 1000 A²s | 4000 A²s | 80 kA | 40 kA | 2.8 W | 83 g |
| BTCP42V40 | Z1045280 | 415 V | 240 V | 40 A | 1300 A²s | 4200 A²s | 80 kA | 40 kA | 3 W | 83 g |
| BTCP42V50 | S1045297 | 415 V | 240 V | 50 A | 2600 A²s | 8750 A²s | 80 kA | 40 kA | 3.6 W | 83 g |
| BTCP42V63 | T1045298 | 415 V | 240 V | 63 A | 4000 A²s | 13900 A²s | 80 kA | 40 kA | 4.7 W | 83 g |
| BTCP42V80 | V1045299 | 415 V | 240 V | 80 A | 8500 A²s | 38250 A²s | 80 kA | 40 kA | 6.5 W | 83 g |
| BTCP42V100 | X1045301 | 415 V | 240 V | 100 A | 14000 A²s | 65000 A²s | 80 kA | 40 kA | 7.5 W | 83 g |

### Type A4C 415VAC/240VDC gG BTCP

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| BTCP42V125 | W1019195 | 415 V | 240 V | 125 A | 28000 A²s | 78400 A²s | 80 kA | 40 kA | 11.3 W | 0.12 kg |
| BTCP42V160 | X1019196 | 415 V | 240 V | 160 A | 60000 A²s | 168000 A²s | 80 kA | 40 kA | 14 W | 0.12 kg |



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# Offset Tag fuse-links gG 415VAC/240VDC

## PRODUCT RANGE



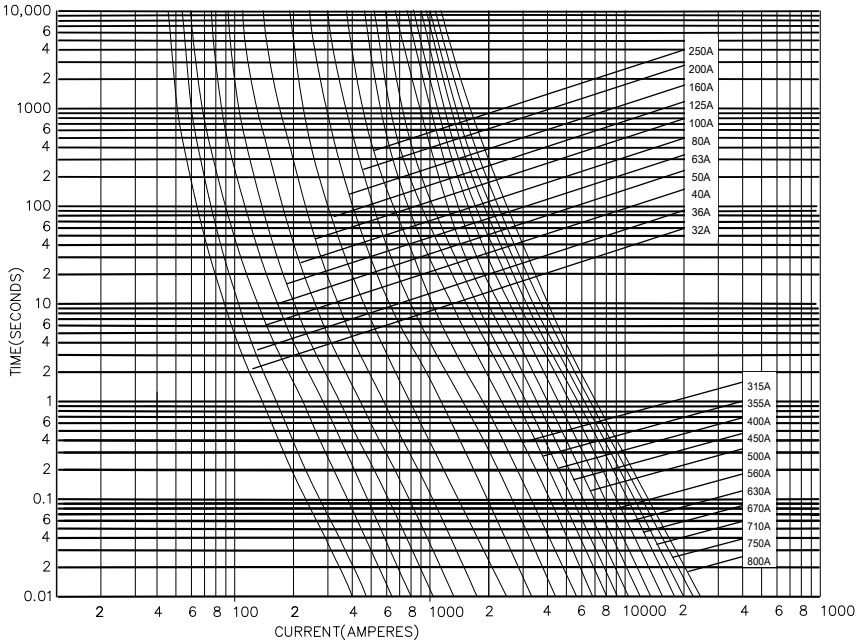
BTFP42V160

### Type A4XC 415VAC/240VDC gG BTFP

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| BTFP42V125 | D226300 | 415 V | 240 V | 125 A | 17000 $A^2s$ | 70000 $A^2s$ | 80 kA | 40 kA | 9.2 W | 0.15 kg |
| BTFP42V160 | E226301 | 415 V | 240 V | 160 A | 57000 $A^2s$ | 150000 $A^2s$ | 80 kA | 40 kA | 10.7 W | 0.15 kg |
| BTFP42V200 | F226302 | 415 V | 240 V | 200 A | 105000 $A^2s$ | 293000 $A^2s$ | 80 kA | 40 kA | 16.2 W | 0.15 kg |

## TIME CURRENT CHARACTERISTIC CURVES

### gG curves - 36 to 200 A - 415VAC / 240 VDC



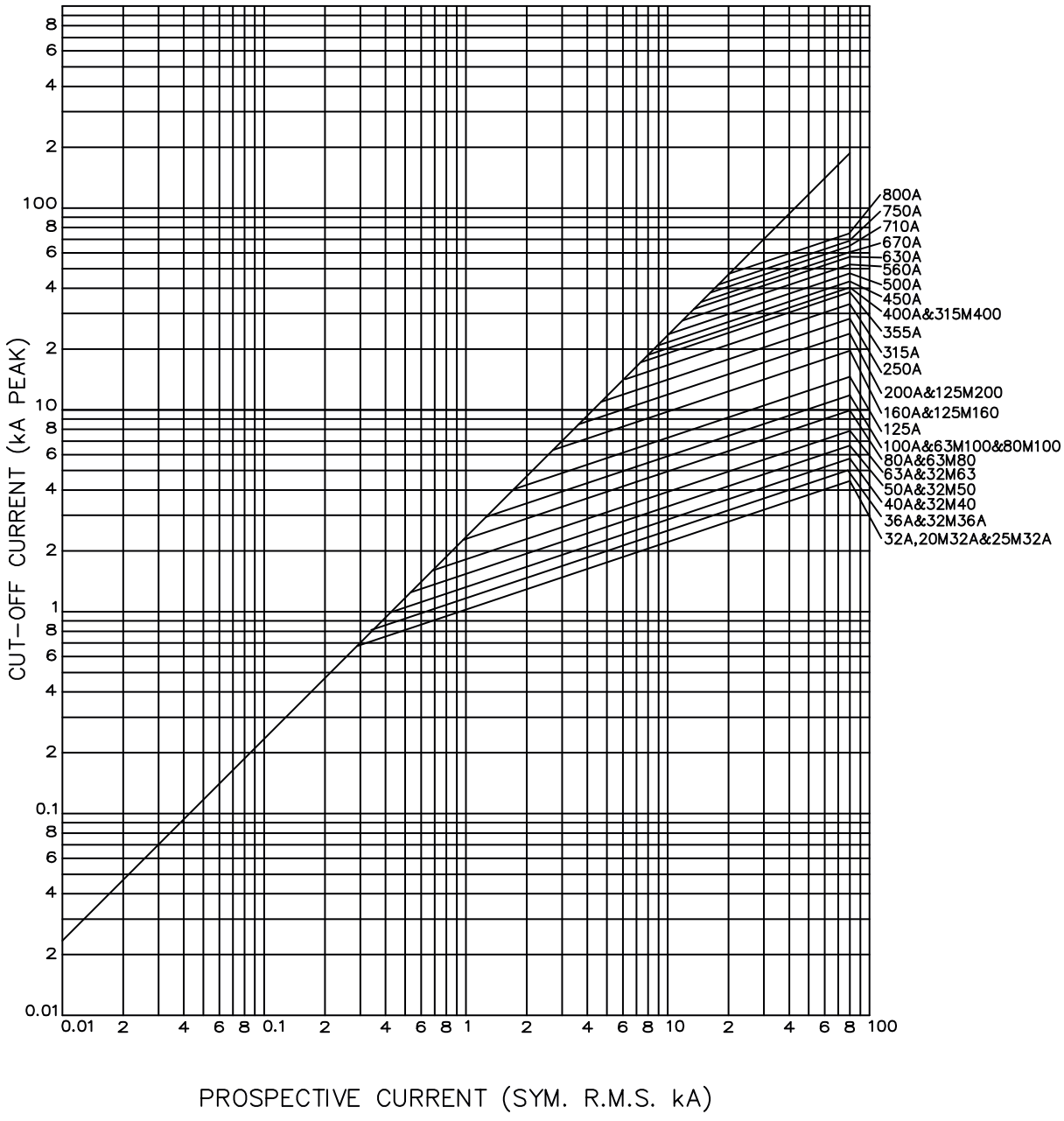





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## CUT-OFF CURRENT CHARACTERISTIC

**A Type - 415VAC / 240VDC**








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## DIMENSIONS

### A3 BTIS / A3C BTSS

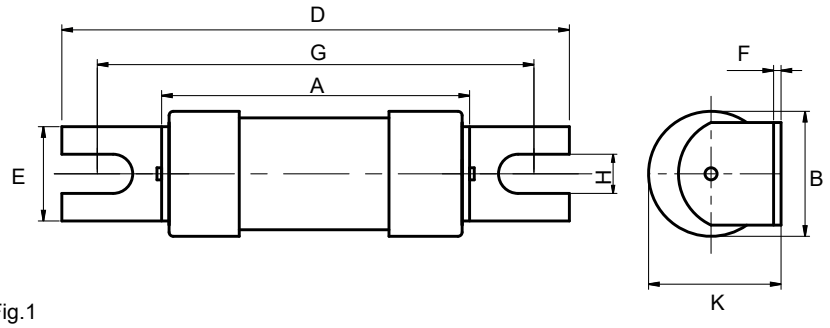



Fig.1

Dimensions in mm

### A3 BTSDS / A4C BTSD / A4C BTCP / A4 BTCP / A4XC BTFP

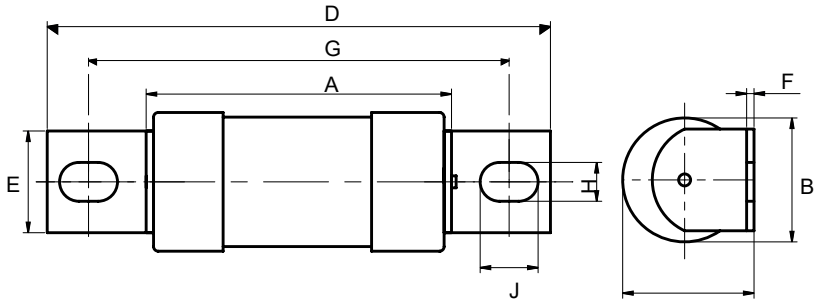



Fig.2

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 | 36, 40, 50, 63, 80, 100 | 38.8 | 17.1 | 84 | 9.2 | 9.2 | 73 | 5.2 | - | 18.5 |
| 1 | A3 | BTIS | 125, 160 | 57 | 26.9 | 88.5 | 13 | 13 | 73 | 5.5 | - | 28 |
| 1 | A3C | BTSS | 36, 40, 50, 63 | 38.8 | 17.1 | 84 | 9.2 | 9.2 | 73 | 5.2 | - | 18.5 |
| 2 | A3 | BTSDS | 80, 100, 125 | 54.5 | 21 | 87 | 12.7 | 12.7 | 5.5 | 8 | 8 | 22.5 |
| 2 | A4C | BTSD | 80, 100, 125 | 58.5 | 21 | 110 | 14.3 | 14.3 | 8.7 | 11 | 11 | 25.4 |
| 2 | A4C | BTCP | 36, 40, 50, 63, 80, 100 | 58.5 | 21 | 110 | 14.3 | 14.3 | 8.7 | 11 | 11 | 25.4 |
| 2 | A4 | BTCP | 125, 160 | 59.5 | 26.9 | 111 | 19.5 | 19.5 | 8.7 | 11 | 11 | 28.5 |
| 2 | A4XC | BTFP | 125, 160, 200 | 47 | 31 | 110 | 19 | 19 | 9 | 10 | 10 | 32 |





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