

- British Standard VT Fuse Links.
- A range of voltage transformer primary Fuse Links to BS2692-1 and IEC60282-1.
- Wide range of ratings from 1 kV to 36 kV.
- 3.15 Amp industry standard current ratings.
- CAV range with ratings from 3.6kV to 38kV.



## Bussmann Voltage and Auxiliary Transformer Fuse Links

Bussmann manufacture a wide range of voltage transformer (VT) fuse links. In North America they are referred to as Potential Transformer fuses. These fuse links are designed for use in the primary side of voltage transformers to provide system isolation in the event of faults occurring in the transformer circuit.

Voltage transformer fuse links, have a preferred current rating of 3.15A. Experience has shown that there is a risk of spurious operation by transient overcurrents where lower current ratings are used. In addition, in order to minimise the risk of deterioration of the fine fuse elements caused by corona, it is desirable to mount the fuse links so that the earthed metal is not in the immediate vicinity of the part of the barrel between the ferrules.

Higher current and 'E' ratings are available for special applications, including auxiliary transformers.

A range of VT fuse links with a breaking capacity of 200kA for use at the output terminals of large turbo alternators can also be ordered. For further information, please contact Bussmann application engineers.

Types prefixed 'A' or 'N' are suitable for use in Air only. Types prefixed 'O' may be used under oil.

- For DIN dimensioned voltage transformer and auxiliary transformer fuse links, please refer to DIN dimensioned fuse link section.

## Selection Table

## Table of ratings for voltage transformer fuses 1.1 - 36kV

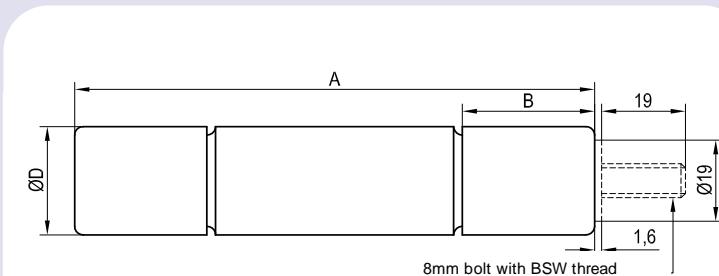
Part Number	Voltage Rating	Current Rating	Breaking Capacity	Cold Resistance	Joule Integral ( $\Omega^2 t$ )		Length	Diameter Ø	Weight	
	$U_n$ kV	$I_n$ A	$I_1$ kA	$\Omega$	Minimum Pre-Arcing	Maximum Total Clearing	mm	mm	kg	
1.1NBUN*2 1.1NBUN*3.15 1.1NBUN*6.3	1.1 1.1 1.1	2 3.15 6.3	50 50 50	0.145 0.107 0.065	$6.3 \times 10^0$ $1.2 \times 10^1$ $3.2 \times 10^1$	$1.8 \times 10^1$ $3.4 \times 10^1$ $9.2 \times 10^1$	86 86 86	25.4 25.4 25.4	0.12 0.12 0.12	
3.6ABWN*3.15 3.6ABWN*6.3	3.6 3.6	3.15 6.3	50 50	0.358 0.120	$6.3 \times 10^0$ $4.8 \times 10^1$	$1.8 \times 10^1$ $3.1 \times 10^2$	142 142	25.4 25.4	0.19 0.19	
3.6ABCN*3.15 3.6ABCN*6.3 3.6ABCN*10	3.6 3.6 3.6	3.15 6.3 10	50 50 50	0.358 0.120 0.080	$6.3 \times 10^0$ $4.8 \times 10^1$ $1.1 \times 10^2$	$1.8 \times 10^1$ $3.1 \times 10^0$ $7.0 \times 10^2$	195 195 195	25.4 25.4 25.4	0.245 0.245 0.245	
5.5AMWNA0.5E 5.5AMWNA1E 5.5AMWNA2E 5.5AMWNA3E 5.5AMWNA4E 5.5AMWNA5E	5.5 5.5 5.5 5.5 5.5 5.5	0.5 1 2 3 4 5	50 50 50 50 50 50	32.5 16.0 0.584 0.320 0.190 0.147	$1.2 \times 10^0$ $5.0 \times 10^0$ $4.0 \times 10^0$ $1.8 \times 10^1$ $4.6 \times 10^1$ $7.9 \times 10^1$	$3.5 \times 10^0$ $1.4 \times 10^1$ $1.2 \times 10^0$ $1.1 \times 10^2$ $3.0 \times 10^2$ $5.1 \times 10^2$	142 142 142 142 142 142	20.6 20.6 20.6 20.6 20.6 20.6	0.114 0.114 0.114 0.114 0.114 0.114	
5.5ABWNA0.5E 5.5ABWNA1E 5.5ABWNA2E 5.5ABWNA3E 5.5ABWNA5E	5.5 5.5 5.5 5.5 5.5	0.5 1 2 3 5	50 50 50 50 50	50.2 25.1 1.08 0.469 0.199	$0.49 \times 10^0$ $2.0 \times 10^0$ $1.2 \times 10^0$ $6.3 \times 10^0$ $3.2 \times 10^1$	$1.4 \times 10^0$ $5.7 \times 10^0$ $3.4 \times 10^0$ $1.8 \times 10^1$ $2.0 \times 10^2$	142 142 142 142 142	25.4 25.4 25.4 25.4 25.4	0.19 0.19 0.19 0.19 0.19	
7.2ABWN*3.15 7.2ABWN*6.3	7.2 7.2	3.15 6.3	45 45	0.614 0.240	$6.3 \times 10^0$ $4.8 \times 10^1$	$4.0 \times 10^1$ $3.1 \times 10^2$	142 142	25.4 25.4	0.19 0.19	
7.2ABCN*3.15 7.2ABCN*6.3	7.2 7.2	3.15 6.3	45 45	0.614 0.240	$6.3 \times 10^0$ $4.8 \times 10^1$	$4.0 \times 10^1$ $3.1 \times 10^2$	195 195	25.4 25.4	0.245 0.245	
7.2OBCN*3.15 7.2OBCN*6.3	7.2 7.2	3.15 6.3	45 45	0.614 0.240	$6.3 \times 10^0$ $4.8 \times 10^1$	$4.0 \times 10^1$ $3.1 \times 10^2$	195 195	25.4 25.4	0.245 0.245	
7.2OBWN*3.15 7.2OBWN*6.3	7.2 7.2	3.15 6.3	45 45	0.614 0.240	$6.3 \times 10^0$ $4.8 \times 10^1$	$4.0 \times 10^1$ $3.1 \times 10^2$	142 142	25.4 25.4	0.19 0.19	
12ABCN*3.15 12OBCN*3.15	12 12	3.15 3.15	45 45	1.21 1.21	$6.3 \times 10^0$ $6.3 \times 10^0$	$1.8 \times 10^1$ $1.8 \times 10^1$	195 195	25.4 25.4	0.245 0.245	
15.5ABFN*3.15 15.5OBFN*3.15	15.5 15.5	3.15 3.15	32 32	1.24 1.24	$6.3 \times 10^0$ $6.3 \times 10^0$	$4.0 \times 10^1$ $4.0 \times 10^1$	254 254	25.4 25.4	0.31 0.31	
17.5ABGN*3.15 17.5OBDGN*3.15	17.5 17.5	3.15 3.15	35 35	1.45 1.45	$6.3 \times 10^0$ $6.3 \times 10^0$	$4.0 \times 10^1$ $4.0 \times 10^1$	359 359	25.4 25.4	0.43 0.43	
24ABGN*3.15 24OBDGN*3.15	24 24	3.15 3.15	25 25	2.00 2.00	$6.3 \times 10^0$ $6.3 \times 10^0$	$4.0 \times 10^1$ $4.0 \times 10^1$	359 359	25.4 25.4	0.43 0.43	
36OBDGN*3.15	36	3.15	31.5	2.05		$1.2 \times 10^1$	$7.7 \times 10^1$	359	25.4	0.43

A 36kV AGBN\* 3.15A is also available for certain indoor applications. Please contact Bussmann's application engineers for further information.

- \* The last letter of the ordering code on these items is normally either 'A' or '22', please refer to 'how to order' page 61 for an explanation.

## Fuse Link type: TAG type "A" Ferrule and "22"

FUSE LINK TYPE	A	B	D
NBUN*	86	17.5	25.4
ABWNA	142	30	25.4
AMWNA	142	16	20.5
OBWN*	142	30	25.4
ABCN*	195	30	25.4
OBCN*	195	30	25.4
ABFN*	254	30	25.4
OBFN*	254	30	25.4
ABGN*	359	30	25.4
OBDGN*	359	30	25.4



Ferrule Fuse Link Tag type "A" shown in full lines and "22" Tag shown in dotted lines

CURVES RELATE TO MEAN PRE-ARCING TIME WITH TOLERANCE  $\pm 10\%$  ON CURRENT

- \* Curve valid for all 3.15A ratings shown in the selection table.
- † Curve valid for all 6.3A ratings shown in the selection table.

