

Eaton's Bussmann series 36 kV Medium voltage fuse links



Product description

Eaton's Bussmann series range of 36 kV DIN Medium voltage fuse links are suitable for transformer protection.

These fuse links can be used even where there is no secondary LV protection, provided they are used with fuse switches fitted with instantaneous striker tripping.

Standard features

- Cool running, low watts loss and power dissipation thanks to the M-effect ensuring high levels of substation utilisation.
- Silver elements ensuring high conductivity and low power (revenue) loss.
- 100% X-ray, all our medium voltage fuse links are X-rayed ensuring the highest possible standards are maintained.

Table 1. Part numbers

Part numbers	Current I _n (A)	Breaking capacity I ₁ (kA)	Minimum breaking current I ₃ (A)	Cold resistance & Watts loss in free air		Joule integral (I ² t)			Diameter mm	Weight kg
				mΩ	W	Minimum Pre-arcing	Maximum operating	Length mm		
36TDQ SJ3.15	3.15	20	23	1455	18	2 x 10 ¹	2.4 x 10 ²	537	51	2.9
36TDQ SJ6.3	6.3	35.5	23	684	34	1 x 10 ²	1.2 x 10 ³	537	51	2.9
36TDQ SJ10	10	35.5	35	402	44	3.1 x 10 ²	3.6 x 10 ³	537	51	2.9
36TDQ SJ16	16	35.5	70	165	52	4.6 x 10 ²	5.1 x 10 ³	537	51	2.9
36TDQ SJ20	20	35.5	98	117	62	8.9 x 10 ²	8.2 x 10 ⁴	537	51	2.9
36TDQ SJ25	25	35.5	112	98	85	1.2 x 10 ³	1.5 x 10 ⁴	537	51	2.9
36TFQ SJ31.5	31.5	35.5	116	73.4	96	2.1 x 10 ³	2.3 x 10 ⁴	537	51	6
36TFQ SJ40	40	35.5	178	52.4	116	4.1 x 10 ³	3.9 x 10 ⁴	537	76	6
36TFQ SJ50	50	35.5	255	36.8	133	8.3 x 10 ³	8.1 x 10 ⁴	537	76	6
36TXQEJ63*	63	20	360	35	271	1.1 x 10 ⁴	6.2 x 10 ⁴	537	88	6.5

* Not compliant with VDE 0670 part 402

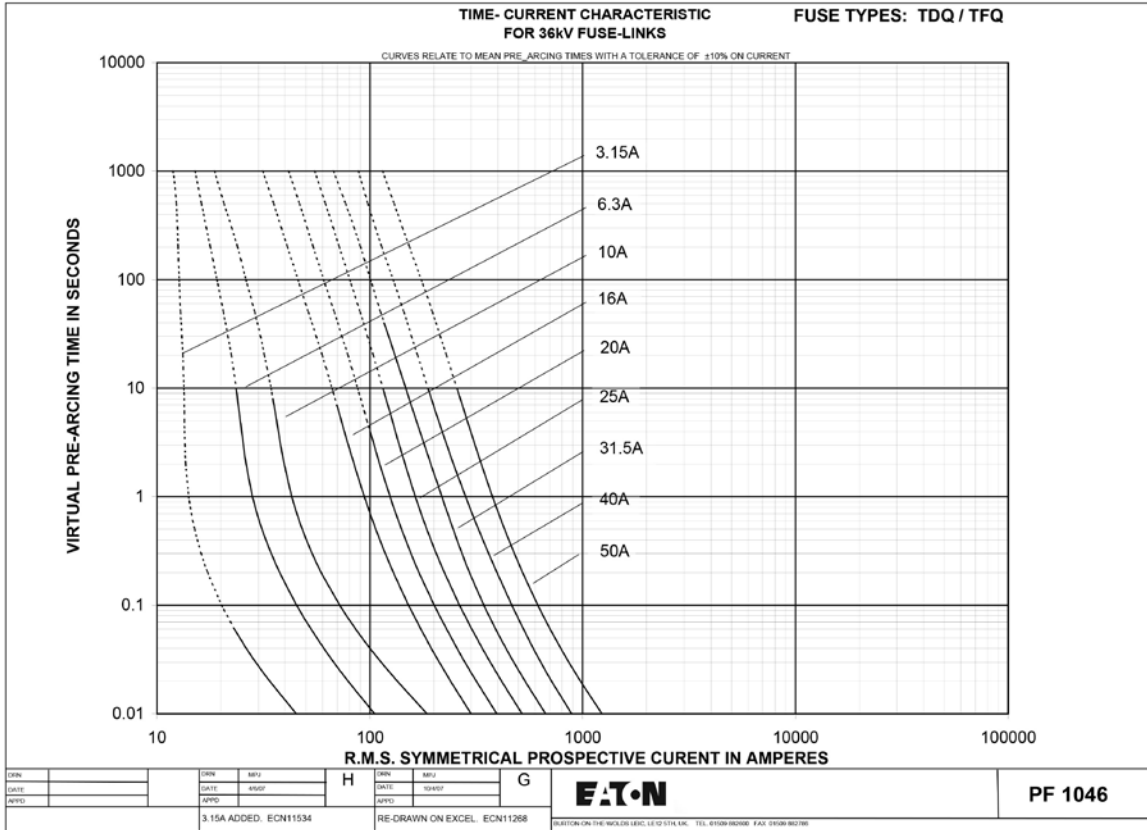
Table 2. Cross reference

Eaton's Bussmann series	EFEN	SIBA	MESA	ETI 80N Striker	ETI 50N Striker	Merlin Gerin	INAEL	ABB
36TDQ SJ3.15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36TDQ SJ6.3	67150.0060	3000813	CF-36/6.3	4266005	4265005	51006 549 M0	IB-D1	1YMB531006M0001
36TDQ SJ10	67150.0100	3000813	CF-36/10	4266006	4265006	51006 550 M0	IB-D1	1YMB531006M0002
36TDQ SJ16	67150.0160	3000813	CF-36/16	4266007	4265007	51006 551 M0	IB-D1	1YMB531006M0003
36TDQ SJ20	67150.0200	3000813	CF-36/20	4266008	4265008	51006 552 M0	IB-D1 & IB-D2	N/A
36TDQ SJ25	67150.0250	3000813	CF-36/25	4266009	4265009	51006 553 M0	IB-D1 & IB-D2	1YMB531006M0004
36TFQ SJ31.5	67150.0320	3001613	CF-36/31.5	4266010	4265010	51006 554 M0	IB-D2	N/A
36TFQ SJ40	67150.0400	3001613	CF-36/40	4266011	4265011	51006 555 M0	IB-D2	1YMB531006M0005
36TFQ SJ50	67150.0500	3002413	CF-36/50	4266012	4265012	51006 556 M0	IB-D3	N/A
36TXQEJ63	67150.0630	3002413	CF-36/63	4266013	4265013	51006 557 M0	IB-D3	N/A

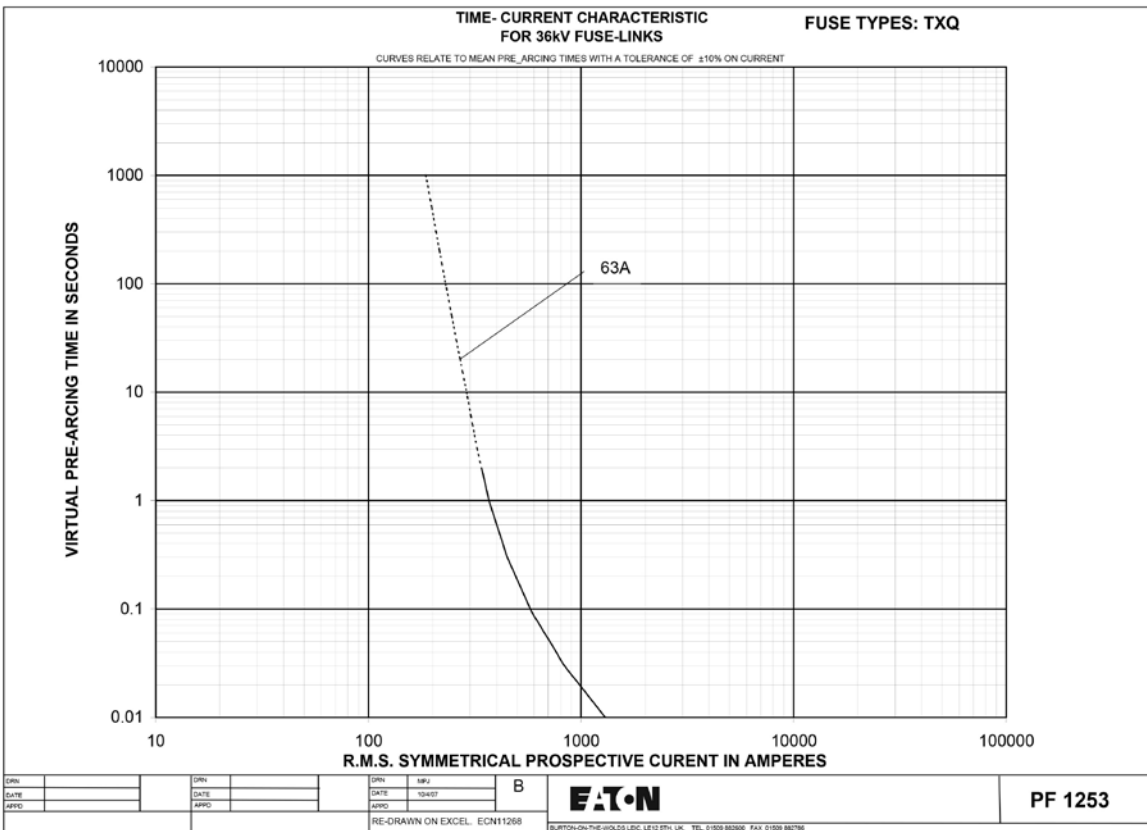
Table 3. Watts loss comparison

Eaton's Bussmann series	Eaton's Bussmann series	EFEN	SIBA	MESA	ETI	Merlin Gerin	INAEL	ABB
36TDQ SJ3.15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36TDQ SJ6.3	34	39	42	39	41	39	32	137
36TDQ SJ10	44	65	70	50	27	50	55	93
36TDQ SJ16	52	67	79	98	46	98	82	109
36TDQ SJ20	62	84	66	120	66	120	85	N/A
36TDQ SJ25	85	100	87	133	85	133	87	144
36TFQ SJ31.5	96	119	102	171	113	171	125	N/A
36TFQ SJ40	116	176	144	207	134	207	164	176
36TFQ SJ50	133	183	186	198	112	198	195	N/A
36TXQEJ63	271	271	224	240	175	240	235	N/A

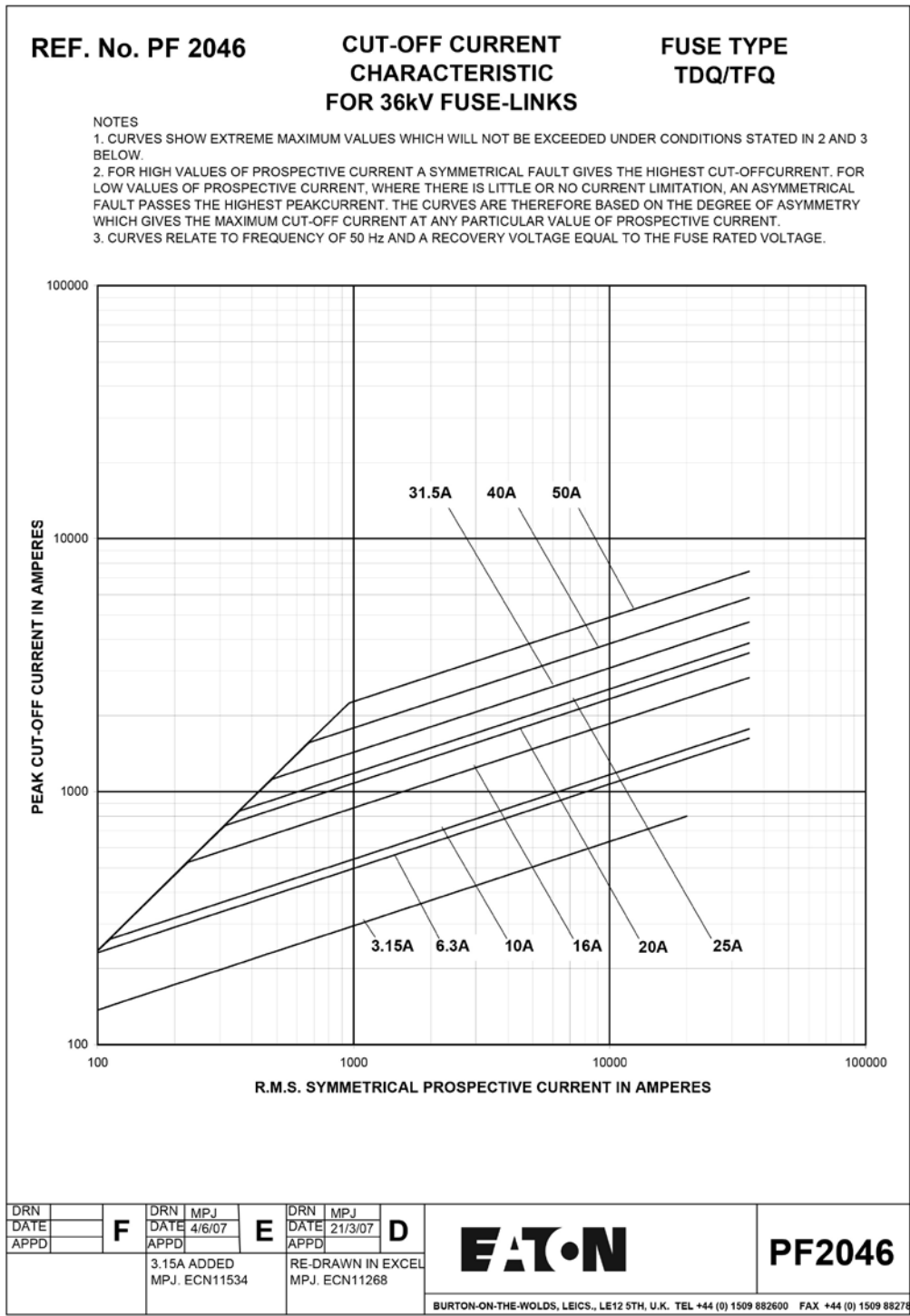
Time current curve - Fuse types TDQ/TFQ



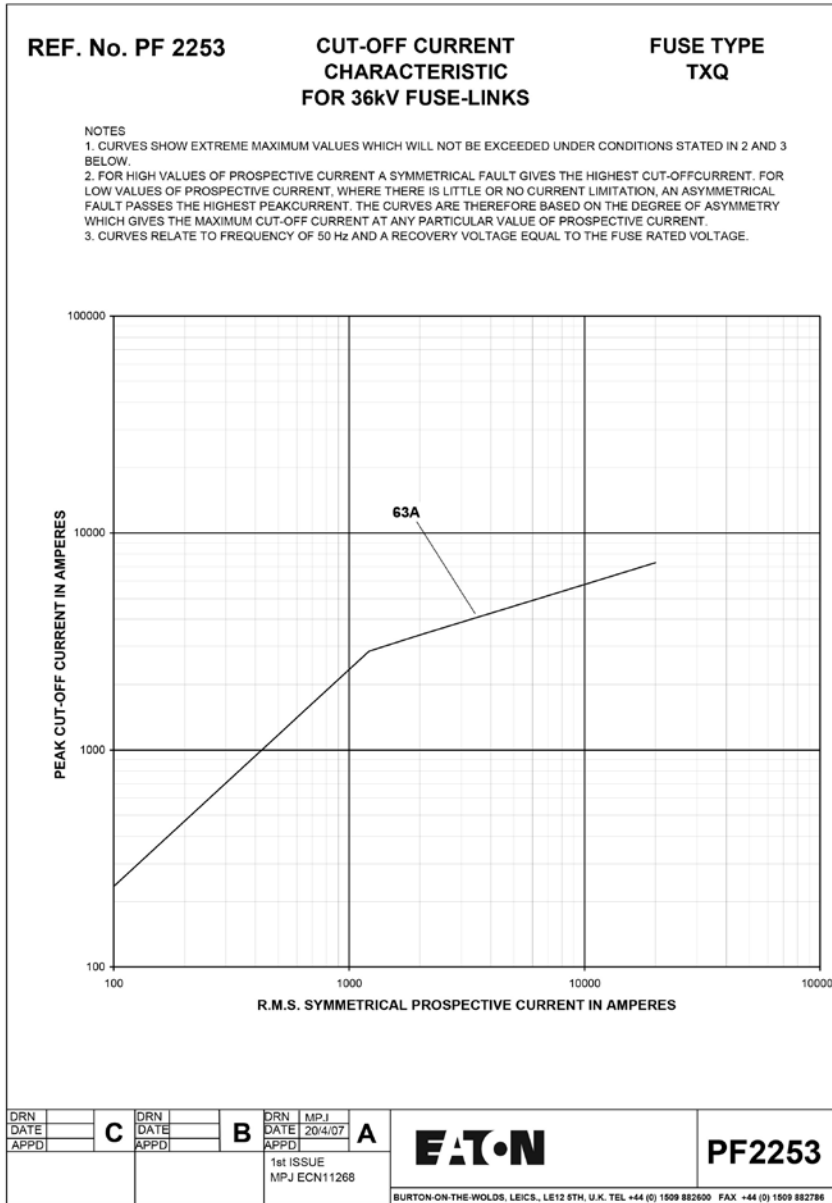
Time current curve - Fuse type TXQ



Cut-off curve - Fuse types TDQ/TFQ



Cut-off curve - Fuse type TXQ

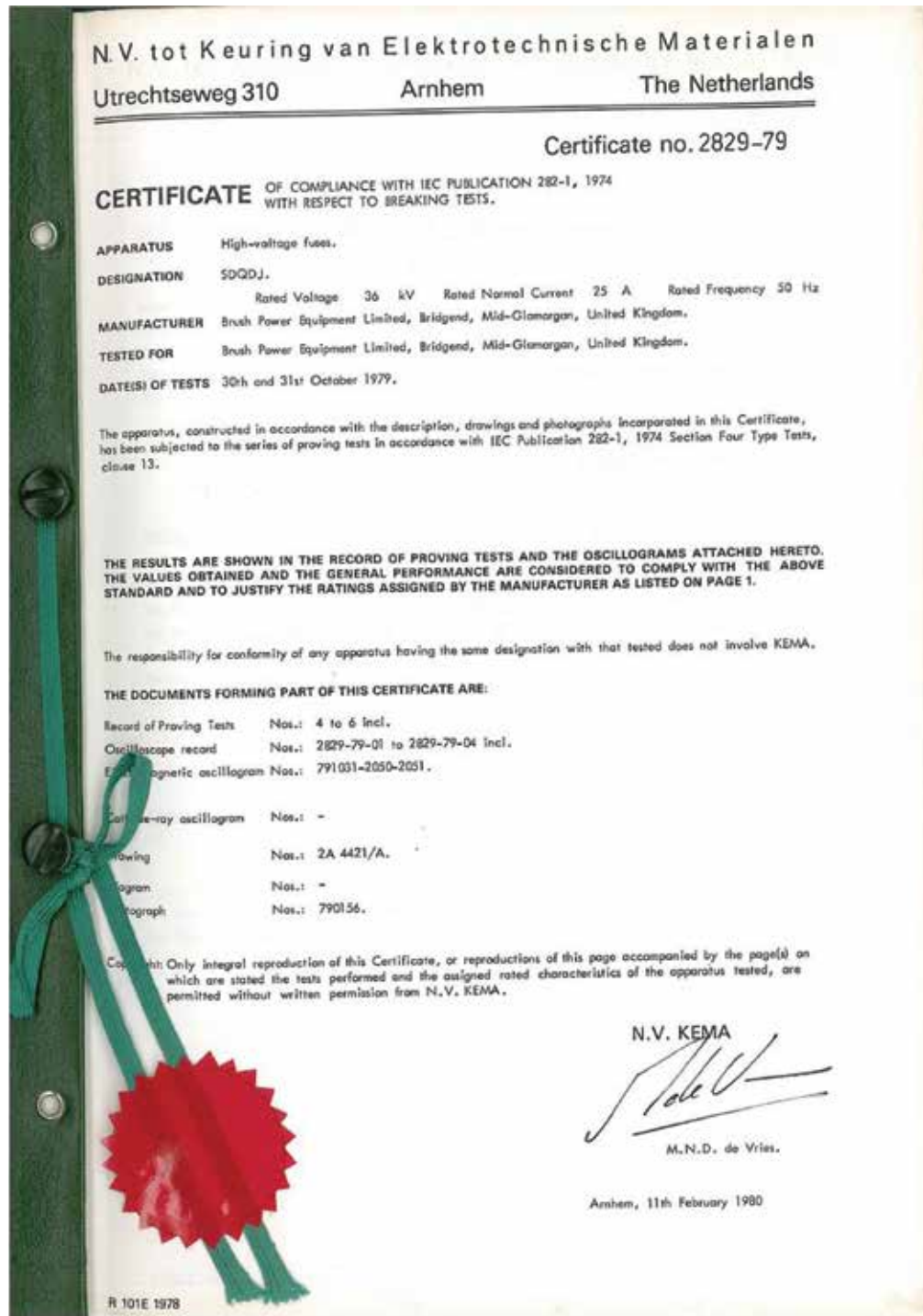


KEMA certificate



This certificate refers to SFQDJ 36kV fuse links, which are electrically identical to the new T range, other than the fuses are sealed for outdoor use, have a brown ceramic body and use a 50N striker.

KEMA certificate



This certificate refers to SDQDJ 36kV fuse links, which are electrically identical to the new T range, other than the fuses are sealed for outdoor use, have a brown ceramic body and use a 50N striker.

KEMA certificate



This certificate refers to SFQDJ 36kV fuse links, which are electrically identical to the new T range, other than the fuses are sealed for outdoor use, have a brown ceramic body and use a 50N striker.

KEMA report



This certificate refers to SFQAJ 36kV fuse links, which are electrically identical to the new T range, other than the fuses are sealed for outdoor use, have a brown ceramic body and use a 50N striker.

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