

Eaton's Bussmann series 7.2 kV Medium voltage fuse links



Product description

Eaton's Bussmann series range of 7.2 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.

EATON*Powering Business Worldwide*

Catalogue symbol:

- 7.2TDLSJ(amp)
- 7.2TFLSJ(amp)

Technical data:

- Volts: 7.2 kV
- Amps: 6.3 to 160 A
- Breaking capacity: 40 kA
- Class of operation: Back-up as IEC 60282-1 (2005)
- Suitable for outdoor and indoor use
- RoHS compliant

Standards/Approvals:

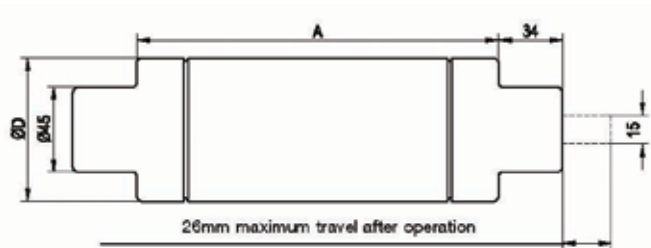
- DIN 43625
- VDE 0670 part 4
- IEC 60282-1 (2005)

Packaging: MOQ 3

Table 1. Technical data

Part numbers	Current I_n (A)	Breaking capacity I_b (kA)	Minimum breaking current I_m (A)	Cold resistance & Watts loss in free air		Joule integral (I ² t)		Length mm	Diameter mm	Weight kg
				mΩ	W	Minimum Pre-arcing	Maximum operating			
7.2TDLSJ6.3	6.3	40	20	205	11	4.8×10^1	6.5×10^3	292	51	1.63
7.2TDLSJ10	10	40	31	99.7	19	2.5×10^2	2.7×10^3	292	51	1.63
7.2TDLSJ16	16	40	49	65.1	23	5.5×10^2	8.2×10^3	292	51	1.63
7.2TDLSJ20	20	40	49	48.9	27	9.7×10^2	1.1×10^4	292	51	1.63
7.2TDLSJ25	25	40	80	32.6	28	5.7×10^2	8×10^3	292	51	1.63
7.2TDLSJ31.5	31.5	40	100	26	36	8.9×10^2	1×10^4	292	51	1.63
7.2TDLSJ40	40	40	114	16	36	2×10^3	2.2×10^4	292	51	1.63
7.2TDLSJ50	50	40	143	12.9	46	3.2×10^3	3.2×10^4	292	51	1.63
7.2TDLSJ63	63	40	180	8.14	45	8×10^3	7.5×10^4	292	51	1.63
7.2TFLSJ80	80	40	264	61	54	5×10^3	6.5×10^4	292	76	3.1
7.2TFLSJ100	100	40	338	4.65	64	9.1×10^3	1.1×10^5	292	76	3.1
7.2TFLSJ125	125	40	375	3.60	79	1.5×10^4	1.7×10^5	292	76	3.1
7.2TFLSJ160	160	40	525	2.73	97	3×10^4	3.1×10^5	292	76	3.1

Dimensions - mm



Fuse reference	A	C	D	Weight (Kg)
TDLSJ	292	54	51	1.63
TFLSJ	292	80	76	3.1

Striker diagram

S = Spring diagram 50N to DIN 43625 and IEC 60282-1 designation 'medium'

Force x Travel diagram for 50N DIN striker

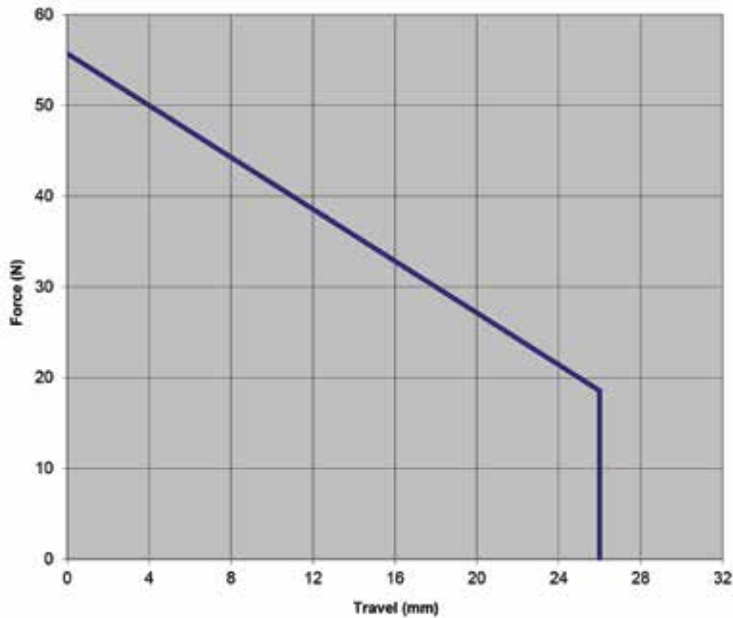


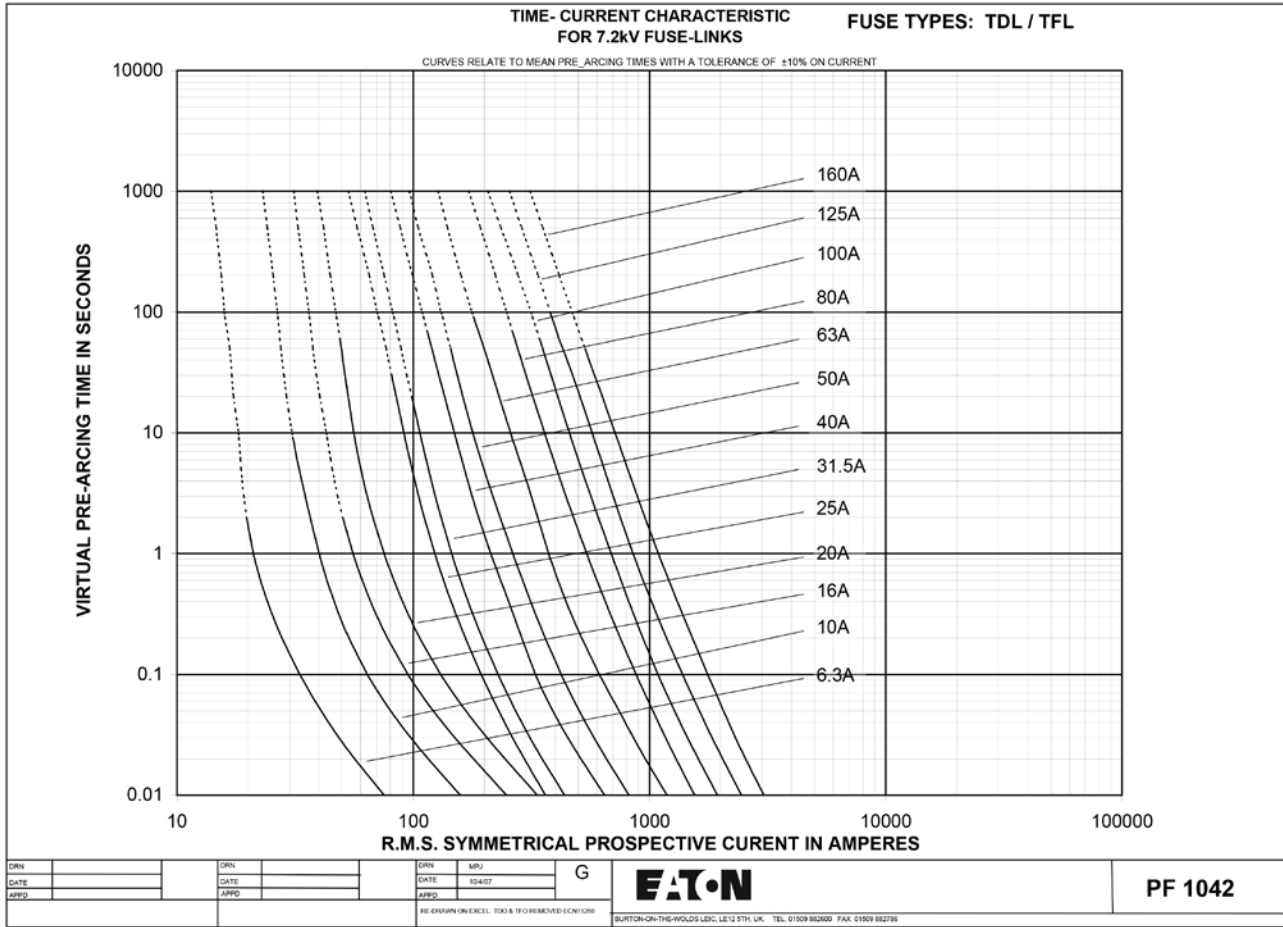
Table 2. Cross reference

Eaton's Bussmann series	SIBA	MESA	Merlin Gerin	ABB
7.2DLSJ6.3	3009813	N/A	N/A	1YMB531034M0001
7.2DLSJ10	3009813	N/A	N/A	1YMB531034M0002
7.2DLSJ16	3009813	N/A	N/A	1YMB531034M0003
7.2DLSJ20	3009813	N/A	N/A	
7.2DLSJ25	3009813	N/A	N/A	1YMB531034M0004
7.2DLSJ31.5	3009813	N/A	N/A	
7.2DLSJ40	3009813	N/A	N/A	1YMB531034M0005
7.2DLSJ50	3009813	N/A	N/A	1YMB531034M0006
7.2DLSJ63	3009913	N/A	N/A	1YMB531034M0007
7.2FLSJ80	3009913	N/A	N/A	1YMB531034M0008
7.2FLSJ100	3009913	N/A	N/A	1YMB531034M0009
7.2FLSJ125	3009913	CF-7,2/125	757352 BN	1YMB531034M0010
7.2FLSJ160	3010013	CF-7,2/160	757352 BP	1YMB531034M0011

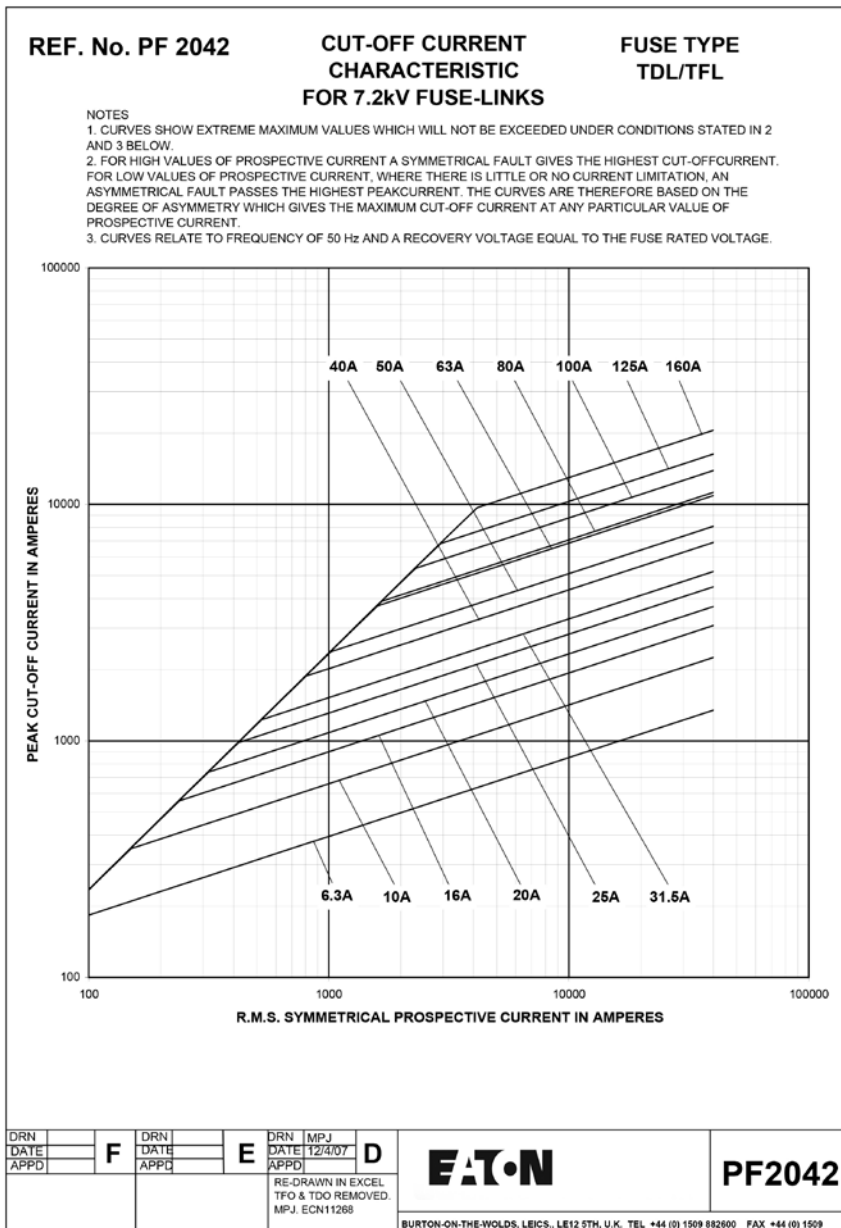
Table 3. Watts loss

Eaton's Bussmann series	Eaton's Bussmann series	SIBA	MESA	Merlin Gerin	ABB
7.2DLSJ6.3	11	8			26
7.2DLSJ10	19	13			16
7.2DLSJ16	23	11			26
7.2DLSJ20	27	13			
7.2DLSJ25	28	16			24
7.2DLSJ31.5	36	21			
7.2DLSJ40	36	27			30
7.2DLSJ50	46	30			35
7.2DLSJ63	45	34			40
7.2FLSJ80	54	47			52
7.2FLSJ100	64	64			57
7.2FLSJ125	79	98	88	88	76
7.2FLSJ160	97	103	87	87	101

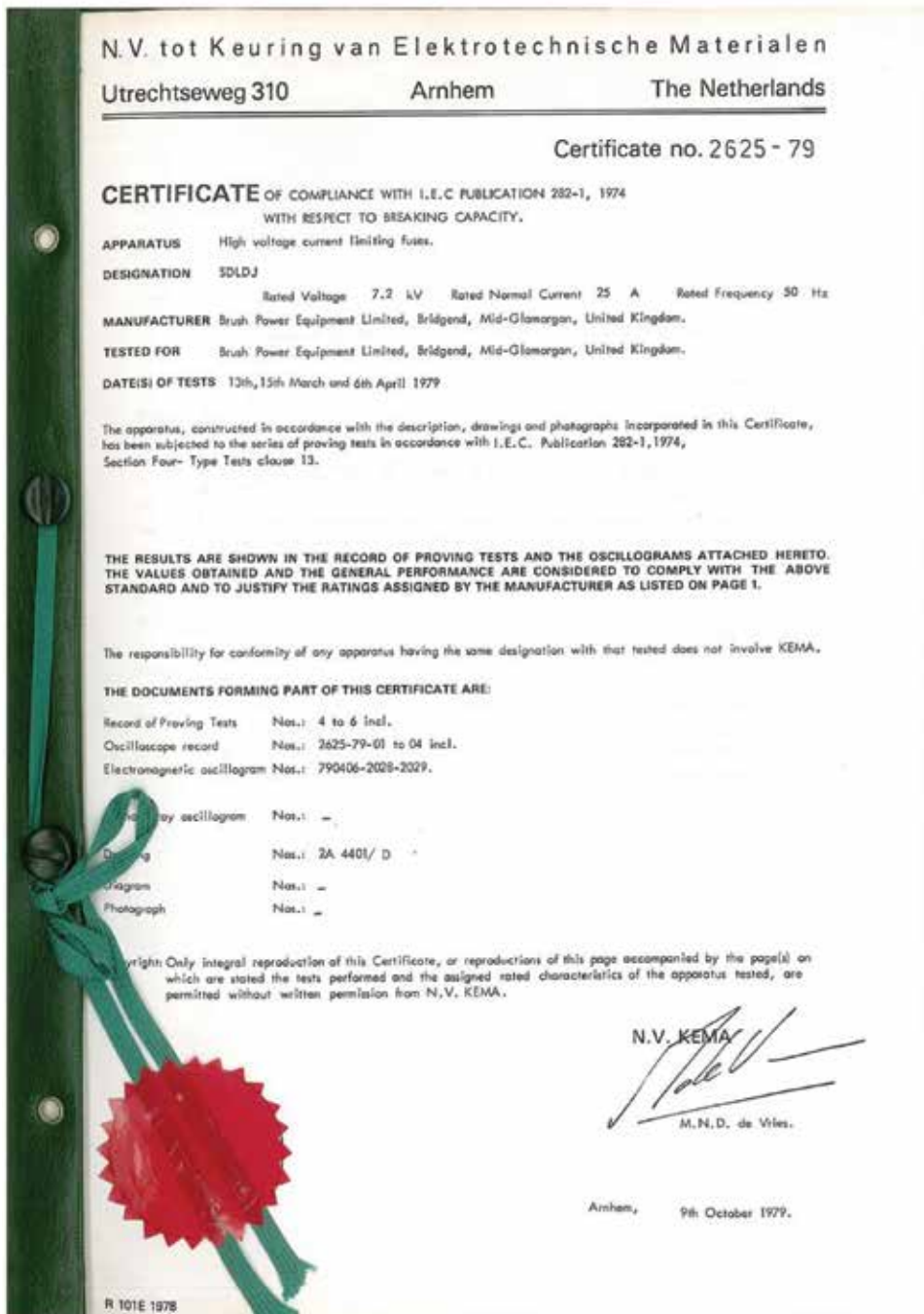
Time current curve - Fuse types TDL/TFL



Cut-off characteristics - Fuse types TDL/TFL

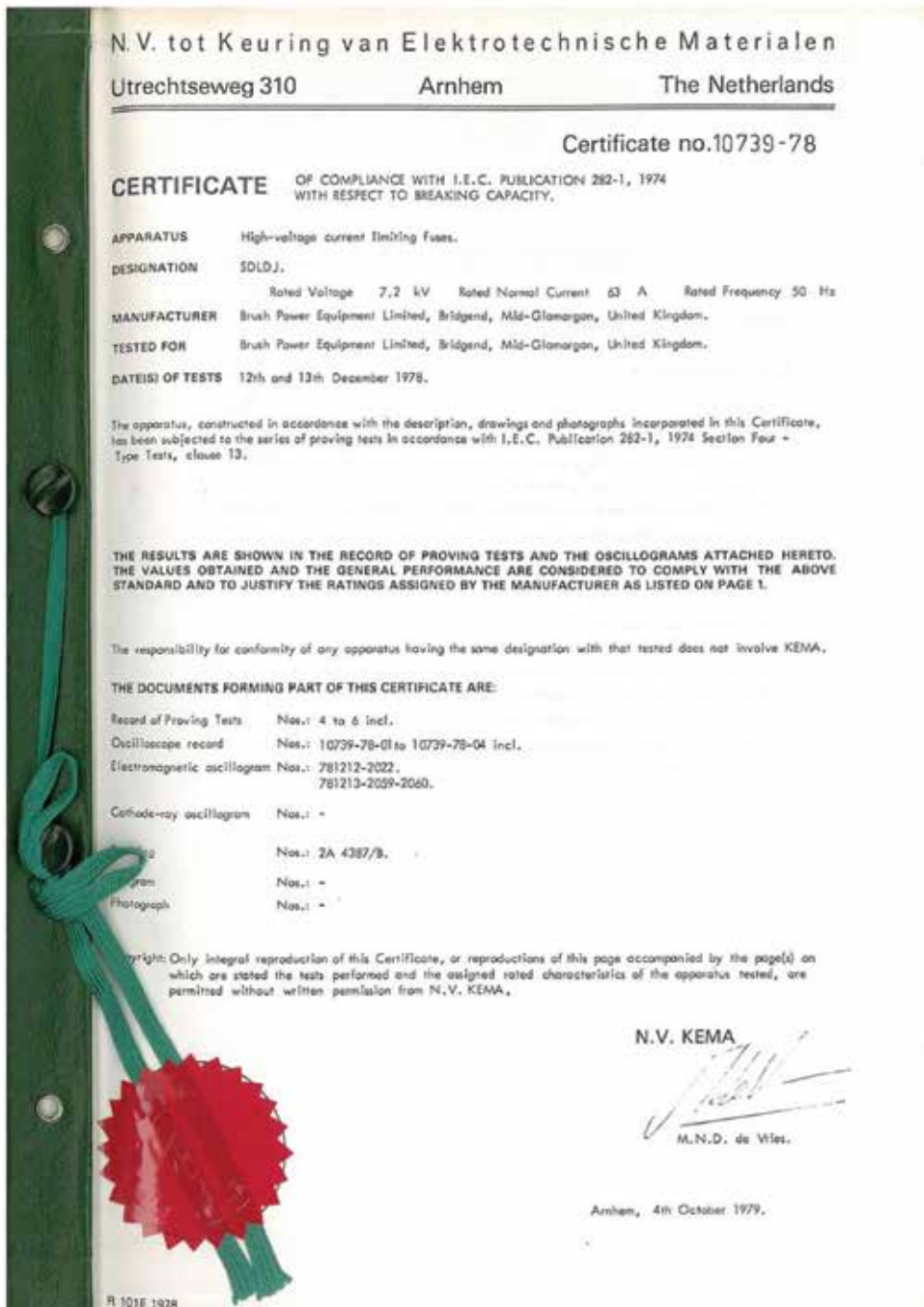


KEMA certificate



This certificate refers to **SLDJ** 7.2 kV 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



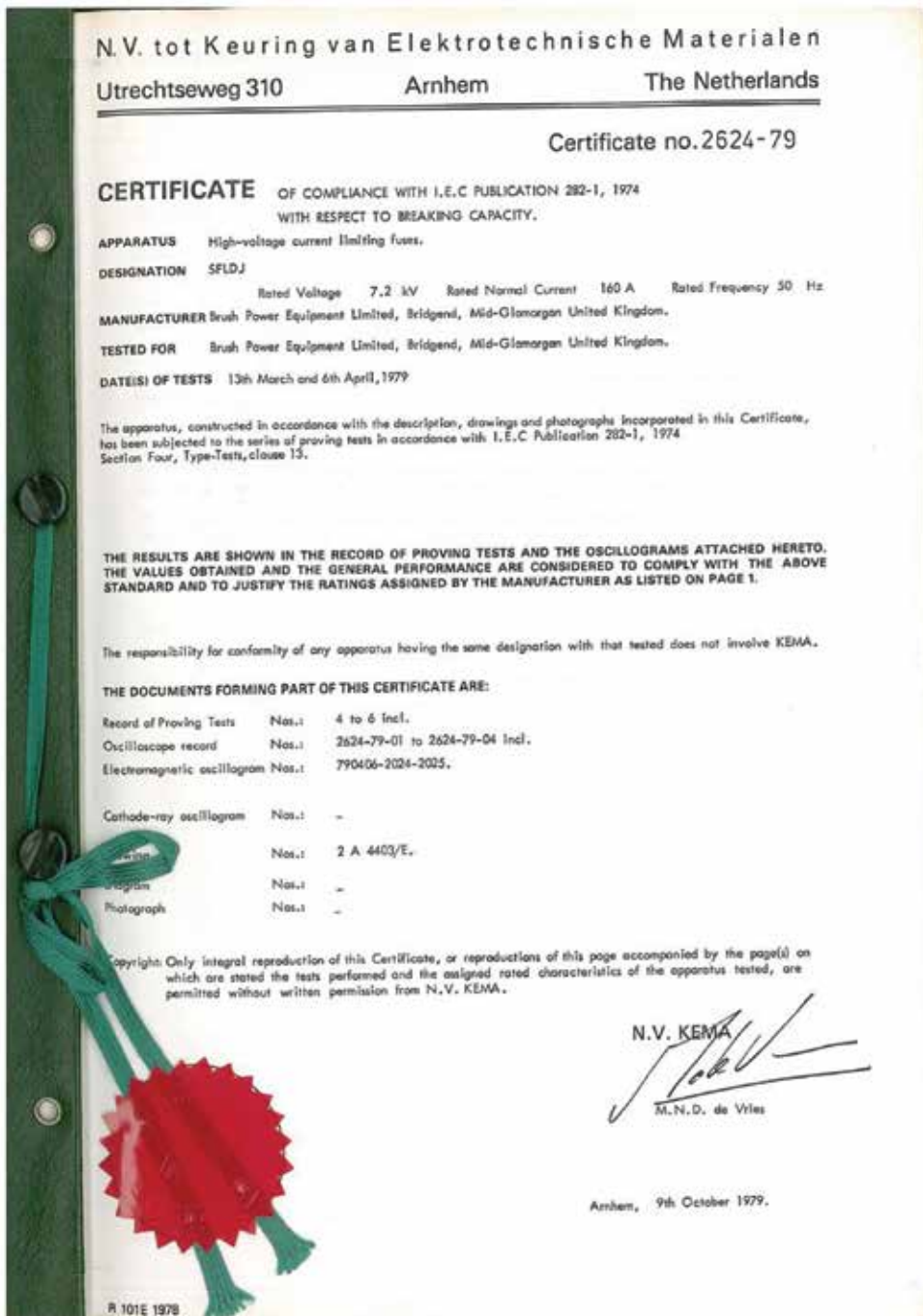
This certificate refers to **SDLDJ** 7.2 kV fuse links, which are electrically identical to the new T range, other than the fuses are sealed for outdoor use, have a brown ceramic body and use a 50N striker.

KEMA certificate



This certificate refers to SFLDJ 7.2 kV 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 **SFLDJ** 7.2 kV 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 **SLDJ** 7.2 kV 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 **SDLDJ** 7.2 kV 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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