

17.5kV - 'A' and 'T' Range Current Limiting Back-Up Fuse Links

Specifications

Description: A range of medium voltage DIN fuse links, complete with sealed striker, suitable for transformer protection. The fuse links can be used even when there is no secondary low voltage protection, provided they are used with fuse switches fitted with instantaneous striker tripping.

Ratings:

Rated Voltage: 10 - 17.5kV
 Rated Current: 6.3 - 125A
 Breaking Capacity: 20 - 50kA

Agency Information: Comply with DIN Dimensional standard DIN 43625, VDE 0670 part 4, VDE 0670 part 402 and with IEC 60282-1 (2005).

'A' range is suitable for indoor use.

'T' range is suitable for indoor and outdoor use .

Time-Current Curves and Cut-Off Curves: see list page 120 and data on CD at the back of the catalogue.

Dimensions (mm):

Fuse Reference	A	C	D	Weight (Kg)
AILSJ	442	79	76	4.5
AIMSJ	442	79	76	4.5
TDLSJ	292	54	51	1.7
TFLSJ	292	80	76	3.1
TDMEJ	442	54	51	2.5
THMEJ	442	67	64	3.7
TKMEJ	442	80	76	5.1



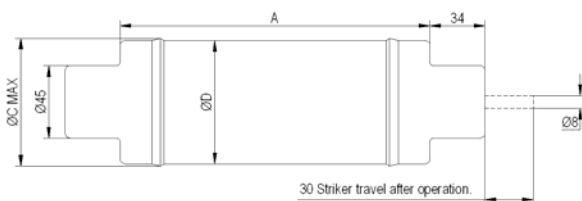
Features and Benefits

- *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 high voltage fuse links are X-rayed ensuring the highest possible standards are maintained

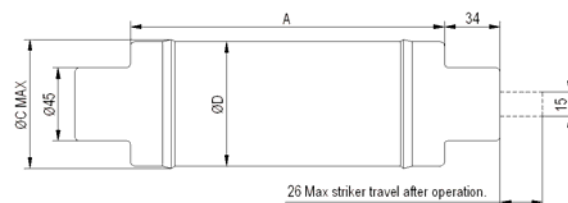
Typical Applications

- Primary side transformer protection
- Used in fuse switch combination unit
- Used in fuse bases
- Used in fuse switches

EJ Outline



SJ Outline



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Part Numbers

Part Number	Rated 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^2t)		Length mm	Diameter mm	Weight kg
				m Ω	W	Minimum Pre-Arcing	Maximum Operating			
17.5AILSJ40*	100	25	176	7.33	102	1.4 x 10 ⁴	2 x 10 ⁵	442	76	4.5
17.5AILSJ50*	50	20	137	29.5	102	1.8 x 10 ³	2.9 x 10 ⁴	442	76	4.5
17.5AILSJ63*	63	20	125	23.6	130	3.2 x 10 ³	4.5 x 10 ⁴	442	76	4.5
17.5AIMSJ100*	71	20	176	15.1	106	6.3 x 10 ³	8.5 x 10 ⁴	442	76	4.5
17.5TDLSJ6.3*	6.3	35.5	23	313	15	4.8 x 10 ¹	6.1 x 10 ²	292	51	1.7
17.5TDLSJ10*	10	35.5	19	185	23	2.8 x 10 ²	4.0 x 10 ³	292	51	1.7
17.5TDLSJ16*	16	35.5	59	104	34	2.9 x 10 ²	2.0 x 10 ³	292	51	1.7
17.5TDLSJ20*	20	35.5	80	69.2	38	5.7 x 10 ²	4.4 x 10 ³	292	51	1.7
17.5TDLSJ25*	25	35.5	100	55.4	48	8.9 x 10 ²	6.6 x 10 ³	292	51	1.7
17.5TDLSJ31.5*	31.5	35.5	118	41.4	58	5.1 x 10 ²	1.1 x 10 ⁴	292	51	1.7
17.5TDLSJ40*	40	35.5	148	31.1	76	8.0 x 10 ²	1.8 x 10 ⁴	292	51	1.7
17.5TFLSJ50*	50	35.5	225	17.3	62	8.1 x 10 ³	6.0 x 10 ⁴	292	76	3.1
17.5TDM EJ6.3	6.3	50	25	324	14	9.8 x 10 ¹	1.0 x 10 ³	442	51	2.5
17.5TDM EJ10	10	50	36	192	24	2.8 x 10 ²	2.3 x 10 ³	442	51	2.5
17.5TDM EJ16	16	50	55	79.6	23	2.6 X 10 ²	3.9 x 10 ³	442	51	2.5
17.5TDM EJ20	20	50	69	57.0	27	5.2 x 10 ²	5.4 x 10 ³	442	51	2.5
17.5TDM EJ25	25	50	87	45.5	34	8.1 x 10 ²	8.4 x 10 ³	442	51	2.5
17.5TDM EJ31.5	31.5	50	87	34.1	41	1.4 x 10 ³	1.5 x 10 ⁴	442	51	2.5
17.5TDM EJ40	40	50	111	25.0	53	2.4 x 10 ³	2.5 x 10 ⁴	442	51	2.5
17.5TDM EJ50	50	50	174	19.7	69	2.8 x 10 ³	3.1 x 10 ⁴	442	51	2.5
17.5TDM EJ63	63	50	200	15.4	89	4.3 x 10 ³	4.7 x 10 ⁴	442	51	2.5
17.5THMEJ80	80	50	270	11.5	108	7.9 x 10 ³	9.1 x 10 ⁴	442	64	3.7
17.5THMEJ100	100	50	376	8.38	127	2.0 x 10 ⁴	1.4 x 10 ⁵	442	64	3.7
17.5TKMEJ125	125	50	467	5.95	146	3.4 x 10 ⁴	3.5 x 10 ⁵	442	76	5.1

* Not suitable for outdoor use

** Not compliant with VDE 0670 part 402