24kV - '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: 12 - 24kV
Rated Current: 6.3 - 160A
Breaking Capacity: 20 - 63kA

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)
AFMSJ	442	79	76	4.5
AIMSJ	442	79	76	4.5
TDMEJ	442	54	51	2.5
THMEJ	442	67	64	3.7
TFMEJ	442	80	76	5.1
TXMEJ	442	91	88	5.9

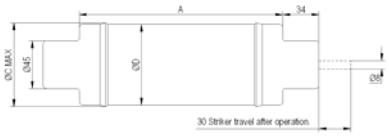
Features and Benefits

- *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 Medium 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

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
				mΩ	W	Minimum Pre-Arcing	Maximum Operating			
24AFMSJ50	50	20	137	29.5	102	1.8×10^3	2.9×10^4	442	76	4.5
24AFMSJ63	63	20	125	23.6	130	3.2×10^3	4.5×10^4	442	76	4.5
24AIMSJ71	71	20	176	15.1	106	6.3×10^3	8.5×10^4	442	76	4.5
24TDMEJ6.3	6.3	50	23	444	20	9.8×10^1	1.0×10^3	442	51	2.5
24TDMEJ10	10	50	34	262	32	2.8×10^2	2.3×10^3	442	51	2.5
24TDMEJ16	16	50	56	109	34	2.6×10^2	3.9×10^3	442	51	2.5
24TDMEJ20	20	50	73	78.2	38	5.2×10^2	5.4×10^3	442	51	2.5
24TDMEJ25	25	50	92	62.4	49	8.1×10^2	8.4×10^3	442	51	2.5
24TDMEJ31.5	31.5	50	92	46.8	59	1.4×10^3	1.5×10^4	442	51	2.5
24TDMEJ40	40	50	118	34.3	79	2.4×10^3	2.5×10^4	442	51	2.5
24TDMEJ50	50	50	185	27.0	98	2.8×10^3	3.1×10^4	442	51	2.5
24THMEJ63	63	50	217	21.1	127	4.3×10^3	4.7×10^4	442	64	3.7
24TFMEJ80	80	50	265	15.7	153	7.9×10^3	9.1×10^4	442	76	5.1
24TFMEJ100**	100	63	430	18.0	400	2.8×10^4	9.4×10^4	442	76	5.1
24TXMEJ125**	125	40	760	11.0	340	9.7×10^4	3.5×10^5	442	88	5.9
24TXMEJ160**	160	31.5	900	9.60	515	1.3×10^5	5.0×10^5	442	88	5.9

* Not suitable for outdoor use

** Not compliant with VDE 0670 part 402

Data sheet 720106