

## 3.6kV - 'A & W' Range Current Limiting Back-Up Fuse Links

### Specifications

**Description:** A range of medium voltage DIN fuse links, complete with 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 mechanism.

#### Ratings:

Rated Voltage: 3.6kV  
 Rated Current: 6.3 - 200A  
 Breaking Capacity: 40 - 50kA

**Agency Information:** Comply with DIN Dimensional standard DIN 43625, VDE 0670 part 4 and with IEC 60282-1 (2005).  
 Suitable for indoor 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)
ADLSJ	292	54	51	1.63
ADOSJ	192	54	51	1.1
WDOSJ	192	54	51	1.1
WFOSJ	192	76	76	2.1

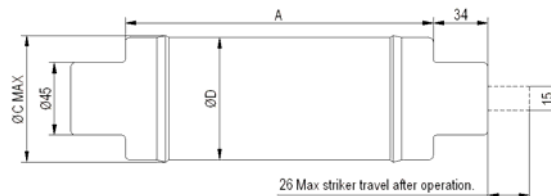


### Features and Benefits

- *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 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



### 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			
3.6ADLSJ6.3	6.3	40	13	158	9	$4.5 \times 10^1$	$1.9 \times 10^2$	292	51	1.63
3.6ADLSJ10	10	40	13	95.6	13	$1.3 \times 10^2$	$5.4 \times 10^2$	292	51	1.63
3.6ADLSJ16	16	40	20	63.3	22	$3 \times 10^2$	$1.3 \times 10^3$	292	51	1.63
3.6ADLSJ20	20	40	31	45.9	25	$6.3 \times 10^2$	$2.7 \times 10^3$	292	51	1.63
3.6ADLSJ25	25	40	106	28.7	25	$1.3 \times 10^2$	$1.2 \times 10^3$	292	51	1.63
3.6ADLSJ31.5	31.5	40	106	19.1	26	$2.9 \times 10^2$	$2.7 \times 10^3$	292	51	1.63
3.6ADLSJ40	40	40	106	11.4	25	$8 \times 10^2$	$7.5 \times 10^3$	292	51	1.63
3.6ADOSJ6.3	6.3	40	13	158	9	$4.5 \times 10^1$	$1.9 \times 10^2$	192	51	1.1
3.6ADOSJ10	10	40	31	79.2	11	$2.3 \times 10^2$	$9.7 \times 10^2$	192	51	1.1
3.6ADOSJ16	16	40	49	50.8	18	$5.5 \times 10^2$	$2.4 \times 10^3$	192	51	1.1
3.6ADOSJ20	20	40	49	38.1	21	$9.8 \times 10^2$	$4.2 \times 10^3$	192	51	1.1
3.6ADOSJ25	25	40	106	28.9	25	$1.3 \times 10^2$	$1.2 \times 10^3$	192	51	1.1
3.6ADOSJ31.5	31.5	40	106	19.2	26	$2.9 \times 10^2$	$2.7 \times 10^3$	192	51	1.1
3.6ADOSJ40	40	40	106	11.6	26	$8.0 \times 10^2$	$7.5 \times 10^3$	192	51	1.1
3.6WDOSJ50	50	50	180	5.36	20	$1.8 \times 10^3$	$2.4 \times 10^4$	192	51	1.1
3.6WDOSJ63	63	50	225	3.68	21	$3.8 \times 10^3$	$4.5 \times 10^4$	192	51	1.1
3.6WDOSJ80	80	50	288	2.88	27	$6.3 \times 10^3$	$8.0 \times 10^4$	192	51	1.1
3.6WDOSJ100	100	50	360	2.16	31	$9.8 \times 10^3$	$1.1 \times 10^5$	192	51	1.1
3.6WDOSJ125	125	50	450	1.73	39	$1.5 \times 10^4$	$2.2 \times 10^5$	192	51	1.1
3.6WFOSJ160	160	50	600	1.28	47	$3.1 \times 10^4$	$6.2 \times 10^5$	192	76	2.1
3.6WFOSJ200	200	50	600	0.938	52	$5.7 \times 10^4$	$1.1 \times 10^6$	192	76	2.1

### Data Sheet 720102

## 7.2kV - 'T' Range Current Limiting Back-Up Fuse Links

### Specifications

**Description:** A range of medium voltage DIN fuse links complete with striker, suitable for transformer protection. The fuses 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:

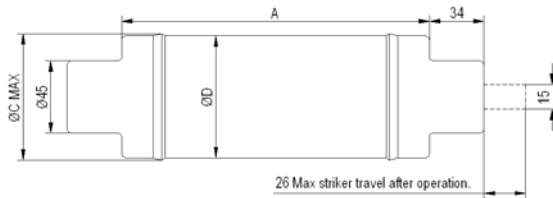
Rated Voltage: 3.0 - 7.2kV  
 Rated Current: 6.3 - 160A  
 Breaking Capacity: 40kA

**Agency Information:** Comply with DIN Dimensional standard DIN 43625, VDE 0670 part 4 and with IEC 60282-1 (2005). 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)
TDLSJ	292	54	51	1.63
TFLSJ	292	80	76	3.1



### 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 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

### 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			
7.2TDLSJ6.3	6.3	40	20	205	11	$4.8 \times 10^1$	$6.5 \times 10^3$	292	51	1.63
7.2TDLSJ10	10	40	31	99.7	19	$2.5 \times 10^2$	$2.7 \times 10^3$	292	51	1.63
7.2TDLSJ16	16	40	49	65.1	23	$5.5 \times 10^2$	$8.2 \times 10^3$	292	51	1.63
7.2TDLSJ20	20	40	49	48.9	27	$9.7 \times 10^2$	$1.1 \times 10^4$	292	51	1.63
7.2TDLSJ25	25	40	80	32.6	28	$5.7 \times 10^2$	$8.0 \times 10^3$	292	51	1.63
7.2TDLSJ31.5	31.5	40	100	26.0	36	$8.9 \times 10^2$	$1.0 \times 10^4$	292	51	1.63
7.2TDLSJ40	40	40	114	16.0	36	$2.0 \times 10^3$	$2.2 \times 10^4$	292	51	1.63
7.2TDLSJ50	50	40	143	12.9	46	$3.2 \times 10^3$	$3.2 \times 10^4$	292	51	1.63
7.2TDLSJ63	63	40	180	8.14	45	$8.0 \times 10^3$	$7.5 \times 10^4$	292	51	1.63
7.2TFLSJ80	80	40	264	6.01	54	$5.0 \times 10^3$	$6.5 \times 10^4$	292	76	3.1
7.2TFLSJ100	100	40	338	4.65	64	$9.1 \times 10^3$	$1.1 \times 10^5$	292	76	3.1
7.2TFLSJ125	125	40	375	3.60	79	$1.5 \times 10^4$	$1.7 \times 10^5$	292	76	3.1
7.2TFLSJ160	160	40	525	2.73	97	$3.0 \times 10^4$	$3.1 \times 10^5$	292	76	3.1

## 12kV - 'F' Range Current Limiting Full Range Fuse Links

### Specifications

**Description:** A range of medium voltage DIN fuse links, complete with sealed striker, suitable for transformer protection. Cooper Bussmann 'F' range provide full range protection.

### Ratings:

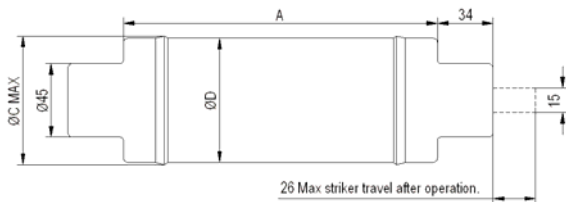
Rated Voltage: 12kV  
 Rated Current: 6.3 - 100A  
 Breaking Capacity: 50kA

**Agency Information:** Comply with DIN Dimensional standard DIN 43625, VDE 0670 part 4, VDE 0670 part 402 and with IEC 60282-1 (2005)  
 Suitable for indoor 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)
FDLSJ	292	54	51	1.63
FFLSJ	292	80	76	3.16
FXLSJ	292	92	88	4



### 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
- Our Full Range MV fuse links can interrupt any current below the rated breaking capacity.

### Typical Applications

- Primary side transformer protection
- Used in fuse switch combination unit
- Used in fuse bases without instantaneous striker tripping
- Used in fuse switches

### 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			
12FDLSJ6.3	6.3	50	6.3	208	10	$6.9 \times 10^1$	$6.3 \times 10^2$	292	51	1.63
12FDLSJ10	10	50	10	116	15	$2.2 \times 10^2$	$2.1 \times 10^3$	292	51	1.63
12FDLSJ16	16	50	16	55.4	17	$8.8 \times 10^2$	$3.9 \times 10^3$	292	51	1.63
12FDLSJ20	20	50	20	39.6	20	$1.7 \times 10^3$	$7.6 \times 10^3$	292	51	1.63
12FDLSJ25	25	50	25	31.2	26	$2.8 \times 10^3$	$1.3 \times 10^4$	292	25.8	1.63
12FDLSJ31.5	31.5	50	31.5	26.4	36	$2.6 \times 10^3$	$1.3 \times 10^4$	292	51	1.63
12FFLSJ40	40	50	40	19.7	42	$3.8 \times 10^3$	$3.8 \times 10^4$	292	76.2	3.16
12FFLSJ50	50	50	50	14.8	51	$6.8 \times 10^3$	$5.6 \times 10^4$	292	76.2	3.16
12FFLSJ63	63	50	63	12.4	72	$5.1 \times 10^3$	$5.4 \times 10^4$	292	76.2	3.16
12FXLSJ80	80	50	80	7.94	72	$2.2 \times 10^4$	$1.1 \times 10^5$	292	88	4
12FXLSJ100	100	50	100	5.64	82	$4.2 \times 10^4$	$2 \times 10^5$	292	88	4

## 12kV - 'A' and 'T' Range Current Limiting Back-Up Range 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: 6 - 12kV  
 Rated Current: 6.3 - 200A  
 Breaking Capacity: 50 - 63kA

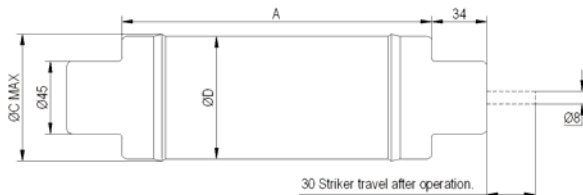
**Agency Information:** Comply with DIN Dimensional standard DIN 43625, VDE 0670 part 4, VDE 0670 part 402 and with IEC 60282-1 (2005)  
 Suitable for indoor and outdoor use.

**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	292	79	76	3.3
TDLEJ	292	54	51	1.7
THLEJ	292	67	64	2.6
TKLEJ	292	80	76	3.5
TXLEJ	292	88	88	3.7
TFMSJ	442	80	76	5.1

EJ Outline



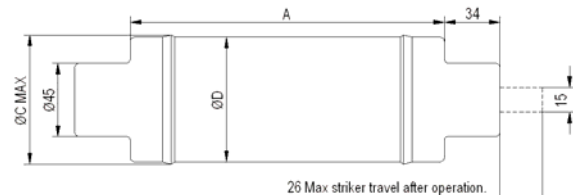
### Features and Benefits

- *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

SJ Outline



Part Number	Rated Current I <sub>n</sub> (A)	Breaking Capacity I <sub>1</sub> (kA)	Minimum Breaking Current I <sub>3</sub> (A)	Cold Resistance & Watts Loss in Free Air		Joule Integral (I <sup>2</sup> t)		Length mm	Diameter mm	Weight kg
				mΩ	W	Minimum Pre-Arcing	Maximum Operating			
12AILSJ100*	100	31.5	176	5.03	70	1.4 x 10 <sup>4</sup>	2 x 10 <sup>5</sup>	292	76	3.3
12TDLEJ6.3	6.3	63	23	222	10	9.8 x 10 <sup>1</sup>	1.0 x 10 <sup>3</sup>	292	51	1.7
12TDLEJ10	10	63	35	131	16	2.8 x 10 <sup>2</sup>	2.3 x 10 <sup>3</sup>	292	51	1.7
12TDLEJ16	16	63	53	54.6	16	2.6 x 10 <sup>2</sup>	3.9 x 10 <sup>3</sup>	292	51	1.7
12TDLEJ20	20	63	73	39.1	18	5.2 x 10 <sup>2</sup>	5.4 x 10 <sup>3</sup>	292	51	1.7
12TDLEJ25	25	63	87	31.2	24	8.1 x 10 <sup>2</sup>	8.4 x 10 <sup>3</sup>	292	51	1.7
12TDLEJ31.5	31.5	63	111	23.4	28	1.4 x 10 <sup>3</sup>	1.5 x 10 <sup>4</sup>	292	51	1.7
12TDLEJ40	40	63	143	17.2	36	2.4 x 10 <sup>3</sup>	2.5 x 10 <sup>4</sup>	292	51	1.7
12TDLEJ50	50	63	168	13.5	47	2.8 x 10 <sup>3</sup>	3.1 x 10 <sup>4</sup>	292	51	1.7
12TDLEJ63	63	63	235	10.6	60	4.3 x 10 <sup>3</sup>	4.7 x 10 <sup>4</sup>	292	51	1.7
12THLEJ80	80	63	272	7.81	72	7.9 x 10 <sup>3</sup>	9.1 x 10 <sup>4</sup>	292	64	2.6
12THLEJ100	100	63	388	5.74	85	2.0 x 10 <sup>4</sup>	1.4 x 10 <sup>5</sup>	292	64	2.6
12TKLEJ125	125	63	687	3.99	93	4.0 x 10 <sup>4</sup>	3.5 x 10 <sup>5</sup>	292	76	3.5
12TXLEJ160**	160	63	560	4.30	217	1.1 x 10 <sup>5</sup>	5.0 x 10 <sup>5</sup>	292	88	3.7
12TXLEJ200**	200	63	610	3.80	333	1.5 x 10 <sup>5</sup>	6.5 x 10 <sup>5</sup>	292	88	3.7
12THMEJ100	100	63	272	5.74	85	2.0 x 10 <sup>4</sup>	1.4 x 10 <sup>5</sup>	442	64	3.7
12TFMSJ160	160	50	485	3.65	139	5.0 x 10 <sup>4</sup>	3.5 x 10 <sup>5</sup>	442	76	5.1

\* Not suitable for outdoor use / \*\* Not compliant with VDE 0670 part 402

### Data Sheet for 'T' range 720104

# 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



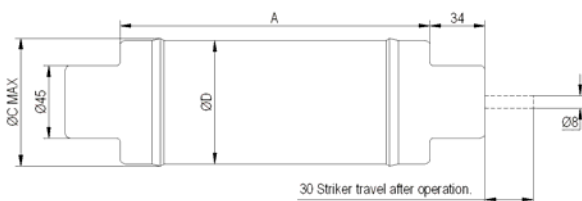
## Features and Benefits

- *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

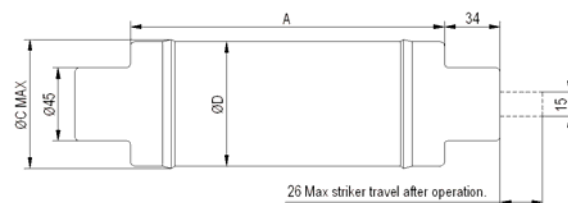
## Typical Applications

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

EJ Outline



SJ Outline



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

### 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 $\Omega$	W	Minimum Pre-Arcing	Maximum Operating			
17.5AILSJ40*	100	25	176	7.33	102	1.4 x 10 <sup>4</sup>	2 x 10 <sup>5</sup>	442	76	4.5
17.5AILSJ50*	50	20	137	29.5	102	1.8 x 10 <sup>3</sup>	2.9 x 10 <sup>4</sup>	442	76	4.5
17.5AILSJ63*	63	20	125	23.6	130	3.2 x 10 <sup>3</sup>	4.5 x 10 <sup>4</sup>	442	76	4.5
17.5AIMSJ100*	71	20	176	15.1	106	6.3 x 10 <sup>3</sup>	8.5 x 10 <sup>4</sup>	442	76	4.5
17.5TDLSJ6.3*	6.3	35.5	23	313	15	4.8 x 10 <sup>1</sup>	6.1 x 10 <sup>2</sup>	292	51	1.7
17.5TDLSJ10*	10	35.5	19	185	23	2.8 x 10 <sup>2</sup>	4.0 x 10 <sup>3</sup>	292	51	1.7
17.5TDLSJ16*	16	35.5	59	104	34	2.9 x 10 <sup>2</sup>	2.0 x 10 <sup>3</sup>	292	51	1.7
17.5TDLSJ20*	20	35.5	80	69.2	38	5.7 x 10 <sup>2</sup>	4.4 x 10 <sup>3</sup>	292	51	1.7
17.5TDLSJ25*	25	35.5	100	55.4	48	8.9 x 10 <sup>2</sup>	6.6 x 10 <sup>3</sup>	292	51	1.7
17.5TDLSJ31.5*	31.5	35.5	118	41.4	58	5.1 x 10 <sup>2</sup>	1.1 x 10 <sup>4</sup>	292	51	1.7
17.5TDLSJ40*	40	35.5	148	31.1	76	8.0 x 10 <sup>2</sup>	1.8 x 10 <sup>4</sup>	292	51	1.7
17.5TFLSJ50*	50	35.5	225	17.3	62	8.1 x 10 <sup>3</sup>	6.0 x 10 <sup>4</sup>	292	76	3.1
17.5TDMJ6.3	6.3	50	25	324	14	9.8 x 10 <sup>1</sup>	1.0 x 10 <sup>3</sup>	442	51	2.5
17.5TDMJ10	10	50	36	192	24	2.8 x 10 <sup>2</sup>	2.3 x 10 <sup>3</sup>	442	51	2.5
17.5TDMJ16	16	50	55	79.6	23	2.6 X 10 <sup>2</sup>	3.9 x 10 <sup>3</sup>	442	51	2.5
17.5TDMJ20	20	50	69	57.0	27	5.2 x 10 <sup>2</sup>	5.4 x 10 <sup>3</sup>	442	51	2.5
17.5TDMJ25	25	50	87	45.5	34	8.1 x 10 <sup>2</sup>	8.4 x 10 <sup>3</sup>	442	51	2.5
17.5TDMJ31.5	31.5	50	87	34.1	41	1.4 x 10 <sup>3</sup>	1.5 x 10 <sup>4</sup>	442	51	2.5
17.5TDMJ40	40	50	111	25.0	53	2.4 x 10 <sup>3</sup>	2.5 x 10 <sup>4</sup>	442	51	2.5
17.5TDMJ50	50	50	174	19.7	69	2.8 x 10 <sup>3</sup>	3.1 x 10 <sup>4</sup>	442	51	2.5
17.5TDMJ63	63	50	200	15.4	89	4.3 x 10 <sup>3</sup>	4.7 x 10 <sup>4</sup>	442	51	2.5
17.5THMEJ80	80	50	270	11.5	108	7.9 x 10 <sup>3</sup>	9.1 x 10 <sup>4</sup>	442	64	3.7
17.5THMEJ100	100	50	376	8.38	127	2.0 x 10 <sup>4</sup>	1.4 x 10 <sup>5</sup>	442	64	3.7
17.5TKMEJ125	125	50	467	5.95	146	3.4 x 10 <sup>4</sup>	3.5 x 10 <sup>5</sup>	442	76	5.1

\* Not suitable for outdoor use

\*\* Not compliant with VDE 0670 part 402

## 24kV - 'F' Range Current Limiting Full Range Fuse Links

### Specifications

**Description:** A range of medium voltage DIN fuse links, complete with sealed striker, suitable for transformer protection. Cooper Bussmann 'F' range provide full range protection.

#### Ratings:

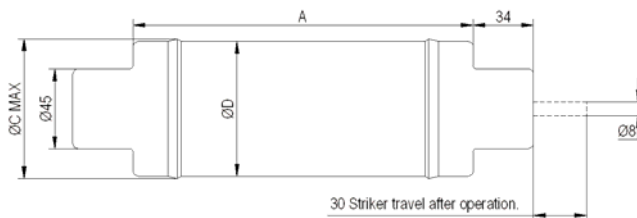
Rated Voltage: 24kV  
 Rated Current: 6.3 - 45A  
 Breaking Capacity: 35.5kA

**Agency Information:** Comply with DIN Dimensional standard DIN 43625, VDE 0670 part 4, VDE 0670 part 402 and with IEC 60282-1 (2005). Suitable for indoor 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)
FDMSJ	442	54	51	2.2
FFMSJ	442	67	76	4.5



#### 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
- Our Full Range MV fuse links can interrupt any current below the rated breaking capacity.

#### Typical Applications

- Primary side transformer protection
- Used in fuse switch combination unit
- Used in fuse bases without instantaneous striker tripping
- Used in fuse switches

### 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			
24FDMSJ6.3	6.3	35.5	6.3	437	21	$6.8 \times 10^1$	$5.4 \times 10^2$	442	51	2.2
24FDMSJ10	10	35.5	10	218	29	$2.7 \times 10^2$	$2.1 \times 10^3$	442	51	2.2
24FDMSJ16	16	35.5	16	118	39	$8.2 \times 10^2$	$2.7 \times 10^3$	442	51	2.2
24FDMSJ20	20	35.5	20	82.2	43	$1.6 \times 10^3$	$5.1 \times 10^3$	442	51	2.2
24FDMSJ25	25	35.5	25	54.7	48	$3.4 \times 10^3$	$1.2 \times 10^4$	442	51	2.2
24FDMSJ31.5	31.5	35.5	31.5	48.6	71	$3.2 \times 10^3$	$1.2 \times 10^4$	442	51	2.2
24FFMSJ25	25	35.5	25	58.6	47	$3.4 \times 10^3$	$1.1 \times 10^4$	442	76.2	4.5
24FFMSJ31.5	31.5	35.5	31.5	48.8	70	$4.7 \times 10^3$	$1.5 \times 10^4$	442	76.2	4.5
24FFMSJ40	40	35.5	40	38.4	85	$7.6 \times 10^3$	$2.5 \times 10^4$	442	76.2	4.5
24FFMSJ45	45	35.5	45	31.4	92	$7.2 \times 10^3$	$3 \times 10^4$	442	76.2	4.5

## 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

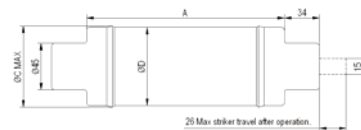
### Typical Applications

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

\* Not suitable for outdoor use

\*\* Not compliant with VDE 0670 part 402



# 36kV - '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: 18 - 36kV  
 Rated Current: 3.15 - 63A  
 Breaking Capacity: 20 - 35.5kA

**Agency Information:** Comply with DIN Dimensional standard DIN 43625, VDE 0670 part 4, VDE 0670 part 402 and with IEC 60282-1 (2005). 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)
TDQSJ	537	54	51	2.9
TFQSJ	537	80	76	6.0
TXQEJ	537	88	88	6.5



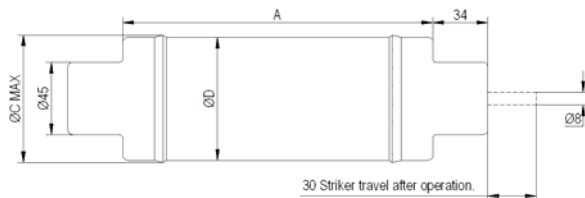
### Features and Benefits

- *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

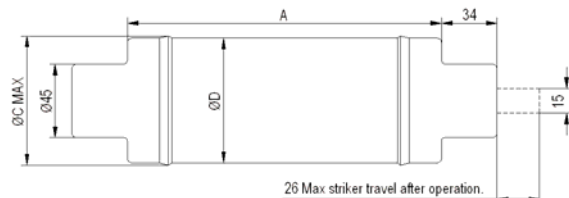
### Typical Applications

- 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			
36TDQSJ3.15	3.15	20	23	1455	18	$2.0 \times 10^1$	$2.4 \times 10^2$	537	51	2.9
36TDQSJ6.3	6.3	35.5	23	684	34	$1.0 \times 10^2$	$1.2 \times 10^3$	537	51	2.9
36TDQSJ10	10	35.5	35	402	44	$3.1 \times 10^2$	$3.6 \times 10^3$	537	51	2.9
36TDQSJ16	16	35.5	70	165	52	$4.6 \times 10^2$	$5.1 \times 10^3$	537	51	2.9
36TDQSJ20	20	35.5	98	117	62	$8.9 \times 10^2$	$8.2 \times 10^4$	537	51	2.9
36TDQSJ25	25	35.5	112	98.0	85	$1.2 \times 10^3$	$1.5 \times 10^4$	537	51	2.9
36TFQSJ31.5	31.5	35.5	116	73.4	96	$2.1 \times 10^3$	$2.3 \times 10^4$	537	51	6.0
36TFQSJ40	40	35.5	178	52.4	116	$4.1 \times 10^3$	$3.9 \times 10^4$	537	76	6.0
36TFQSJ50	50	35.5	255	36.8	133	$8.3 \times 10^3$	$8.1 \times 10^4$	537	76	6.0
36TXQEJ63*	63	20	360	35.0	271	$1.1 \times 10^4$	$6.2 \times 10^4$	537	88	6.5

\* Not compliant with VDE 0670 part 402