

MEDIUM VOLTAGE DIN Fuse-Links

3.6kV, Current Limiting Back-Up Fuse-Links, 6.3 to 200 Amps

MV DIN



Standards/Approvals:

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

Description:

A range of medium voltage DIN Fuses, complete with striker, suitable for transformer protection. The fuses can be used even where there is no secondary LV protection, provided they are used with fuse switches fitted with instantaneous striker tripping.

Packaging:

All fuse-links are packed in 3's.
MOQ: 3
Packaging 100% recyclable

Catalogue Symbol: 3.6ADOSJ(amp)
3.6WDOSJ(amp)
3.6WFOSJ(amp)

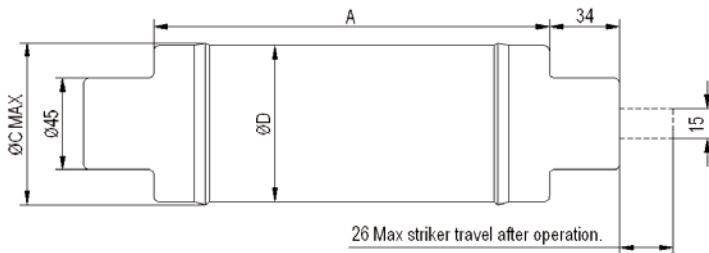
Class of Operation: Back-up as IEC 60282-1 (2005)

Dimensional Data:

Fuse Reference	A	C	D	Weight (Kg)
ADOSJ	192	54	51	1.1
WDOSJ	192	54	51	1.1
WFOSJ	192	76	76	2.1

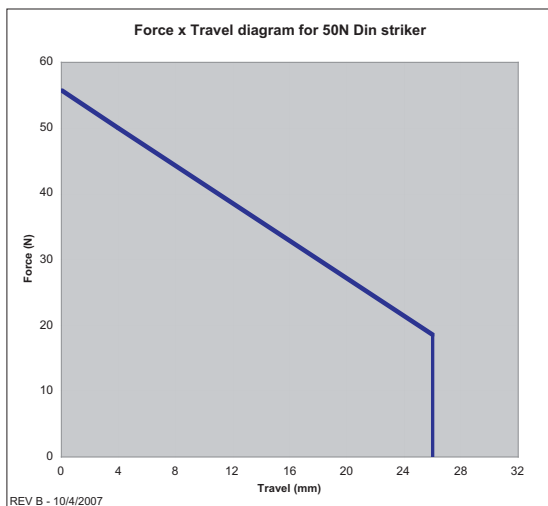
Technical Data:

DIN fuse-links
Rated voltage: 3.6kV
Amps: 6.3A to 200A
Rated breaking capacity: 40kA to 50kA
Rated frequency: 50 - 60Hz
Suitable for indoor use
RoHS compliant



Striker Diagram:

S = Spring Striker 50N to DIN 43625 and IEC 60282-1 designation "medium"



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Table of ratings:

Standard/Approvals: DIN 43625, VDE 0670 part 4 and IEC 60282-1 (2005)
Technical Data: 6.3, 10, 16, 20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160 and 200 Amps

Part Number	Current Rating I_n (A)	Breaking Capacity I_1 (kA)	Minimum Breaking Capacity 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			
3.6ADOSJ6.3	6.3	40	13	158	9	4.5×10^1	1.9×10^2	192	51	1.1
3.6ADOSJ10	10	40	31	79.2	11	2.3×10^2	9.7×10^2	192	51	1.1
3.6ADOSJ16	16	40	49	50.8	18	5.5×10^2	2.4×10^3	192	51	1.1
3.6ADOSJ20	20	40	49	38.1	21	9.8×10^2	4.2×10^3	192	51	1.1
3.6ADOSJ25	25	40	106	28.9	25	1.3×10^2	1.2×10^3	192	51	1.1
3.6ADOSJ31.5	31.5	40	106	19.2	26	2.9×10^2	2.7×10^3	192	51	1.1
3.6ADOSJ40	40	40	106	11.6	26	8.0×10^2	7.5×10^3	192	51	1.1
3.6WDOSJ50	50	50	180	5.36	20	1.8×10^3	2.4×10^4	192	51	1.1
3.6WDOSJ63	63	50	225	3.68	21	3.8×10^3	4.5×10^4	192	51	1.1
3.6WDOSJ80	80	50	288	2.88	27	6.3×10^3	8.0×10^4	192	51	1.1
3.6WDOSJ100	100	50	360	2.16	31	9.8×10^3	1.1×10^5	192	51	1.1
3.6WDOSJ125	125	50	450	1.73	39	1.5×10^4	2.2×10^5	192	51	1.1
3.6WFOSJ160	160	50	600	1.28	47	3.1×10^4	6.2×10^5	192	76	2.1
3.6WFOSJ200	200	50	600	0.938	52	5.7×10^4	1.1×10^6	192	76	2.1

Cross Reference:

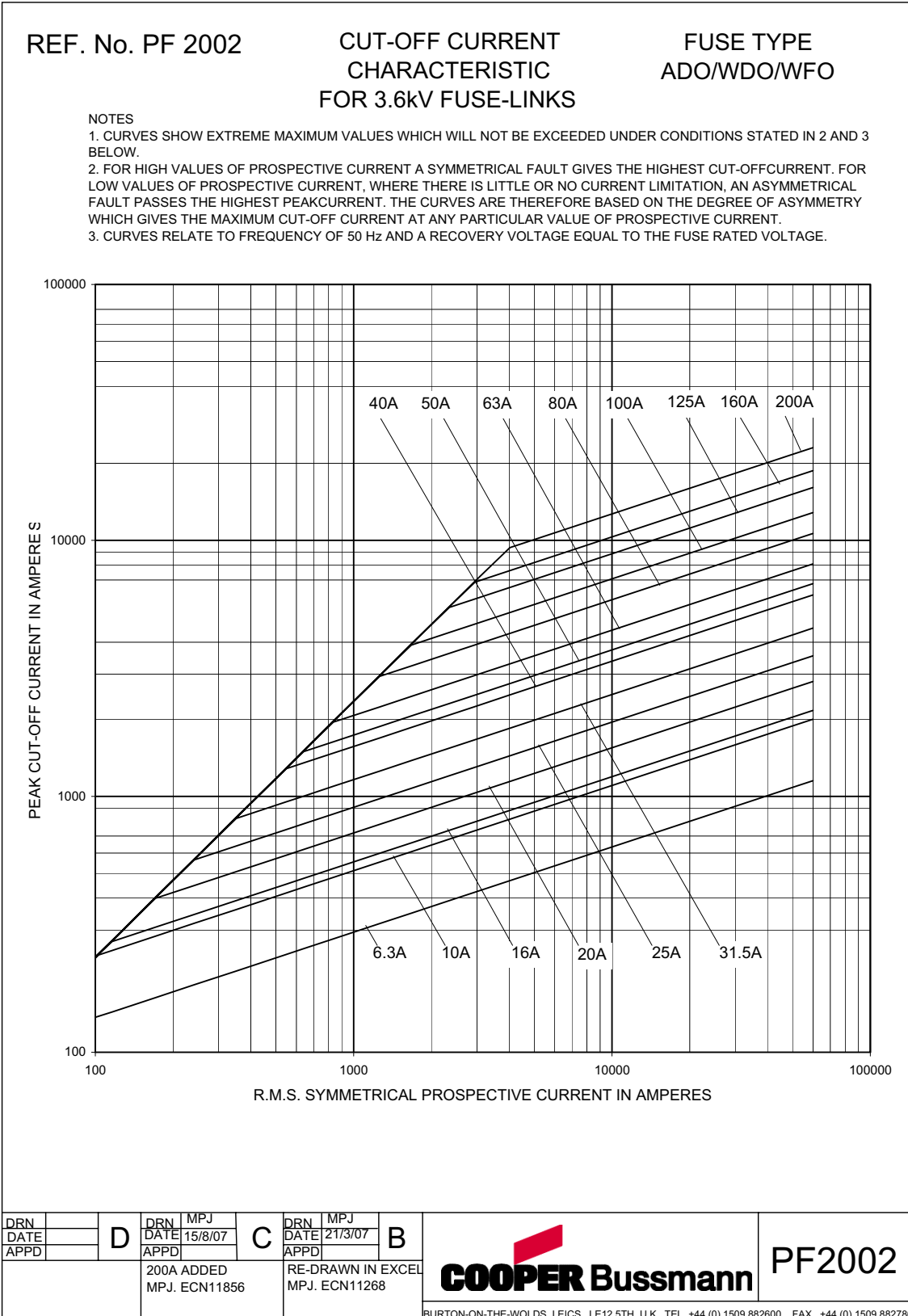
Bussmann	EFEN	SIBA	MESA	ETI (80N Striker)	ETI (50N Striker)	Merlin Gerin	ettmen	INSEL	ABB
3.6ADOSJ6.3	67110.0060	3000213	CF-7,2/6.3	4226005	4225005	51006 500 MO	N/A	IB-D2	1YMB531001M0001
3.6ADOSJ10	67110.00100	3000213	CF-7,2/10	4226006	4225006	51007 501 MO	N/A	IB-D2	1YMB531001M0002
3.6ADOSJ16	67110.0160	3000213	CF-7,2/16	4226007	4225007	51008 502 MO	N/A	IB-D2	1YMB531001M0003
3.6ADOSJ20	67110.0200	3000213	CF-7,2/20	4226008	4225008	51009 503 MO	N/A	IB-D2	N/A
3.6ADOSJ25	67110.0250	3000213	CF-7,2/25	4226009	4225009	51010 504 MO	N/A	IB-D2	1YMB531001M0004
3.6ADOSJ31.5	67110.0320	3000213	CF-7,2/31.5	4226010	4225010	51011 505 MO	N/A	IB-D2	N/A
3.6ADOSJ40	67110.0400	3000213	CF-7,2/40	4226011	4225011	51012 506 MO	N/A	IB-D2	1YMB531001M0005
3.6WDOSJ50	67110.0500	3000213	CF-7,2/50	4226012	4225012	51013 507 MO	N/A	IB-D2	1YMB531001M0006
3.6WDOSJ63	67110.0630	3001013	CF-7,2/63	4226013	4225013	51014 508 MO	N/A	IB-D2	1YMB531001M0007
3.6WDOSJ80	67110.0800	3001013	CF-7,2/80	4226014	4225014	51015 509 MO	N/A	IB-D2	1YMB531001M0008
3.6WDOSJ100	67110.1000	3001013	CF-7,2/100	4226015	4225015	51016 510 MO	N/A	IB-D2	1YMB531001M0009
3.6WDOSJ125	67110.1250	3001013	N/A	4226016	4225016	N/A	N/A	N/A	N/A
3.6WFOSJ160	67110.1600	3001813	N/A	4226017	4225017	N/A	N/A	N/A	N/A
3.6WFOSJ200	67210.2000	3001814	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Cut-Off Curves



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KEMA Certificate

N.V. tot Keuring van Elektrotechnische Materialen
 Utrechtseweg 310 Arnhem The Netherlands

Certificate no.2831-79

CERTIFICATE OF COMPLIANCE WITH IEC PUBLICATION 282-1, 1974
 WITH RESPECT TO BREAKING TESTS.

APPARATUS High-voltage fuses.
 DESIGNATION WFOHO.
 Rated Voltage 3.6 kV Rated Normal Current 200 A Rated Frequency 50 Hz
 MANUFACTURER Brush Power Equipment Ltd., Bridgend, Mid-Glamorgan, United Kingdom.
 TESTED FOR Brush Power Equipment Ltd., Bridgend, Mid-Glamorgan, United Kingdom.
 DATE(S) OF TESTS 30th and 31st October 1979.

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with IEC Publication 282-1, 1974 Section Four Type Tests, clause 13.


THE RESULTS ARE SHOWN IN THE RECORD OF PROVING TESTS AND THE OSCILLOGRAMS ATTACHED HERETO. THE VALUES OBTAINED AND THE GENERAL PERFORMANCE ARE CONSIDERED TO COMPLY WITH THE ABOVE STANDARD AND TO JUSTIFY THE RATINGS ASSIGNED BY THE MANUFACTURER AS LISTED ON PAGE 1.

The responsibility for conformity of any apparatus having the same designation with that tested does not involve KEMA.

THE DOCUMENTS FORMING PART OF THIS CERTIFICATE ARE:

Record of Proving Tests Nos.: 4 to 6 incl.
 Oscilloscope record Nos.: 2831-79-01 to 2831-79-04 incl.
 Electromagnetic oscillogram Nos.: 791031-2056-2057.
 Cathode-ray oscillogram Nos.: -
 Drawing Nos.: 2A 4424/B.
 Photograph Nos.: 790158.

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N.V. KEMA

 M.N.D. de Vries.
 Arnhem, 11th February 1980

R 101E 1978

This certificate refers to WFOHO 3.6kV fuse-links, which are electrically identical to 3.6kV WFOSJ, except that WFOSJ fuses have a 50N striker.