

European Fuses MV Intermediate Fuses (lighting) 3.2kV and 5.5kV



Rated Voltage (kV)	Dimensions (mm)	Rating I _n (A)	Fuse without trip-indicator		Fuse with trip-indicator		Weight (kg)	Catalog Number
			Designation	Ref. Number	Designation	Ref. Number		
3,2	10 x 180 (figure 1)	0,16	3200 CP gLB 10.180/0,16	E081838	-	-	0,03	10GB32V0,16
		0,315	3200 CP gLB 10.180/0,315	F081839	-	-	0,03	10GB32V0,315
		0,5	3200 CP gLB 10.180/0,5	G081840	-	-	0,03	10GB32V0,5
		0,8	3200 CP gLB 10.180/0,8	H081841	-	-	0,03	10GB32V0,8
		1	3200 CP gLB 10.180/1	P089621	-	-	0,03	10GB32V1
		1,25	3200 CP gLB 10.180/1,25	R078744	-	-	0,03	10GB32V1,25
		1,6	3200 CP gLB 10.180/1,6	N081409	-	-	0,03	10GB32V1,6
		2	3200 CP gLB 10.180/2	Q089622	-	-	0,03	10GB32V2
		2,5	3200 CP gLB 10.180/2,5	S078745	-	-	0,03	10GB32V2,5
		3,15	3200 CP gLB 10.180/3,15	M081845	-	-	0,03	10GB32V3,15
		4	3200 CP gLB 10.180/4	R089623	-	-	0,03	10GB32V4
		5	3200 CP aLB 10.180/5	M087733	-	-	0,03	10GB32V5
	36 x 190 (figure 2)	6	3200 CP aLB 10.180/6	S089624	-	-	0,03	10AB32V6
		8	3200 CP aLB 10.180/8	T089625	-	-	0,03	10AB32V8
		10	3200 CP aLB 10.180/10	V089626	-	-	0,03	10AB32V10
		12	3200 CP aLB 10.180/12	W089627	-	-	0,03	10AB32V12
		2	3200 CP gLD 36.190/2	P081801	-	-	0,4	36GD32V2
		3,15	3200 CP gLD 36.190/3,15	Q081802	-	-	0,4	36GD32V3,15
		4	3200 CP gLD 36.190/4	R081803	-	-	0,4	36GD32V4
		5	3200 CP gLD 36.190/5	S081804	-	-	0,4	36GD32V5
		6	3200 CP gLD 36.190/6	T081805	329 CP gLD 36.190/6	K081797	0,4	36GD32V6,3
		8	3200 CP gLD 36.190/8	V081806	329 CP gLD 36.190/8	J081796	0,4	36GD32V8
		10	3200 CP gLD 36.190/10	W081807	329 CP gLD 36.190/10	H081795	0,4	36GD32V10
		12	3200 CP gLD 36.190/12	X081808	329 CP gLD 36.190/12	G081794	0,4	36GD32V12
		16	3200 CP gLD 36.190/16	Y081809	329 CP gLD 36.190/16	F081793	0,4	36GD32V16
		20	3200 CP gLD 36.190/20	Z081810	329 CP gLD 36.190/20	E081792	0,4	36GD32V20
		25	3200 CP gLD 36.190/25	A081811	329 CP gLD 36.190/25	D081791	0,4	36GD32V25
		32	3200 CP gLD 36.190/32	B081812	329 CP gLD 36.190/32	C081790	0,4	36GD32V32
		40	3200 CP gLD 36.190/40	C081813	329 CP gLD 36.190/40	B081789	0,4	36GD32V40
		50	3200 CP gLD 36.190/50	D081814	329 CP gLD 36.190/50	A081788	0,4	36GD32V50
	63	3200 CP gLD 36.190/63	L081798	329 CP gLD 36.190/63	Z081787	0,4	36GD32V63	
	80	3200 CP gLD 36.190/80	M081799	329 CP gLD 36.190/80	Y081786	0,4	36GD32V80	
100	3200 CP gLD 36.190/100	N081800	329 CP gLD 36.190/100	X081785	0,4	36GD32V100		
5,5	10 x 180 (figure 1)	0,16	5500 CP gLB 10.180/0,16	A093035	-	-	0,03	10GB55V0,16
		0,315	5500 CP gLB 10.180/0,315	B093036	-	-	0,03	10GB55V0,315
		0,5	5500 CP gLB 10.180/0,5	W081140	-	-	0,03	10GB55V0,5
		0,8	5500 CP gLB 10.180/0,8	V081139	-	-	0,03	10GB55V0,8
		1	5500 CP gLB 10.180/1	T081138	-	-	0,03	10GB55V1
		1,25	5500 CP gLB 10.180/1,25	N093162	-	-	0,03	10GB55V1,25
		1,6	5500 CP gLB 10.180/1,6	S081137	-	-	0,03	10GB55V1,6
		2	5500 CP gLB 10.180/2	R081136	-	-	0,03	10GB55V2
		2,5	5500 CP gLB 10.180/2,5	P093163	-	-	0,03	10GB55V2,5
		3,15	5500 CP gLB 10.180/3,15	Q081135	-	-	0,03	10GB55V3,15
		4	5500 CP gLB 10.180/4	N081133	-	-	0,03	10GB55V4
		36 x 250 (figure 3)	2	5500 CP gLB 36.250/2	V081622	-	-	0,5
	3,15		5500 CP gLB 36.250/3,15	A081397	-	-	0,5	36GB55V20
	4		5500 CP gLB 36.250/4	T081621	-	-	0,5	36GB55V4
	5		5500 CP gLB 36.250/5	S081620	-	-	0,5	36GB55V5
	6		5500 CP gLB 36.250/6	R081619	559 CP gLB 36.250/6	G081610	0,5	36GB55V6
	8		5500 CP gLB 36.250/8	Q081618	559 CP gLB 36.250/8	F081609	0,5	36GB55V8
	10		5500 CP gLB 36.250/10	P081617	559 CP gLB 36.250/10	E081608	0,5	36GB55V10
	12		5500 CP gLB 36.250/12	N081616	559 CP gLB 36.250/12	D081607	0,5	36GB55V12
	16		5500 CP gLB 36.250/16	M081615	559 CP gLB 36.250/16	C081606	0,5	36GB55V16
	20		5500 CP gLJB 36.250/20	L081614	559 CP gLJB 36.250/20	E078802	0,5	36GJB55V20
	25		5500 CP gLJB 36.250/25	Q078789	559 CP gLJB 36.250/25	F078803	0,5	36GJB55V25
	32		5500 CP gLJB 36.250/32	R078790	559 CP gLJB 36.250/32	G078804	0,5	36GJB55V32
	40		5500 CP gLJB 36.250/40	S078791	559 CP gLJB 36.250/40	H078805	0,5	36GJB55V40
	50		5500 CP gLJB 36.250/50	T078792	559 CP gLJB 36.250/50	J078806	0,5	36GJB55V50
	63		5500 CP aLJB 36.250/63	V078793	559 CP aLJB 36.250/63	K078807	0,5	36AJB55V63
	75	5500 CP aLJB 36.250/75	W078794	559 CP aLJB 36.250/75	L078808	0,5	36AJB55V75	
	55 x 259 (figure 4)	2	5500 CP gLD 55.259/2	S081505	-	-	1,4	55GD55V2
		3,15	5500 CP gLD 55.259/3,15	S081390	-	-	1,4	55GD55V3,15
		4	5500 CP gLD 55.259/4	R081504	-	-	1,4	55GD55V4
		5	5500 CP gLD 55.259/5	Q081503	-	-	1,4	55GD55V5
		6	5500 CP gLD 55.259/6	P081502	559 CP gLD 55.259/6	A081489	1,4	55GD55V6
		8	5500 CP gLD 55.259/8	N081501	559 CP gLD 55.259/8	Z081488	1,4	55GD55V8
		10	5500 CP gLD 55.259/10	M081500	559 CP gLD 55.259/10	Y081487	1,4	55GD55V10
		12	5500 CP gLD 55.259/12	L081499	559 CP gLD 55.259/12	X081486	1,4	55GD55V12
		16	5500 CP gLD 55.259/16	K081498	559 CP gLD 55.259/16	W081485	1,4	55GD55V16
		20	5500 CP gLD 55.259/20	J081497	559 CP gLD 55.259/20	V081484	1,4	55GD55V20
		25	5500 CP gLD 55.259/25	H081496	559 CP gLD 55.259/25	T081483	1,4	55GD55V25
		32	5500 CP gLD 55.259/32	G081495	559 CP gLD 55.259/32	S081482	1,4	55GD55V32
		40	5500 CP gLD 55.259/40	F081494	559 CP gLD 55.259/40	R081481	1,4	55GD55V40
		50	5500 CP gLD 55.259/50	E081493	559 CP gLD 55.259/50	Q081480	1,4	55GD55V50
		63	5500 CP gLD 55.259/63	D081492	559 CP gLD 55.259/63	P081479	1,4	55GD55V63
80	5500 CP gLD 55.259/80	C081491	559 CP gLD 55.259/80	N081478	1,4	55GD55V80		
100	5500 CP gLD 55.259/100	B081490	559 CP gLD 55.259/100	M081477	1,4	55GD55V100		

Medium voltage fuses

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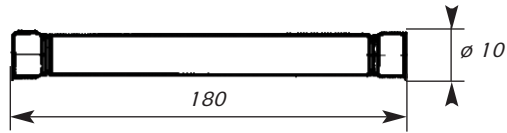
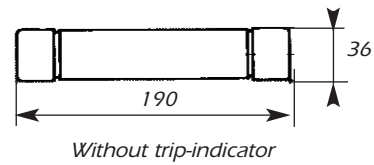
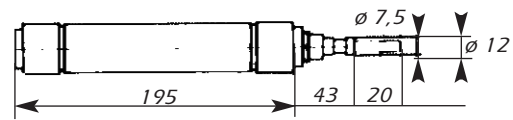


FIGURE 1

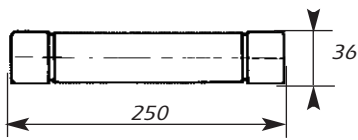


Without trip-indicator

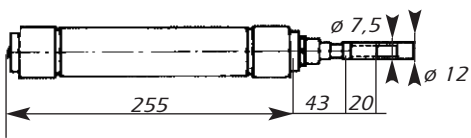


With trip-indicator

FIGURE 2

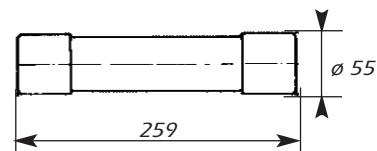


Without trip-indicator

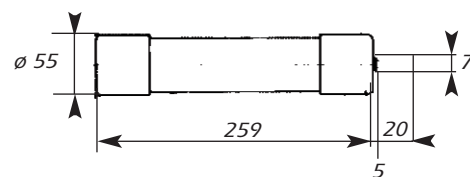


With trip-indicator

FIGURE 3



Without trip-indicator



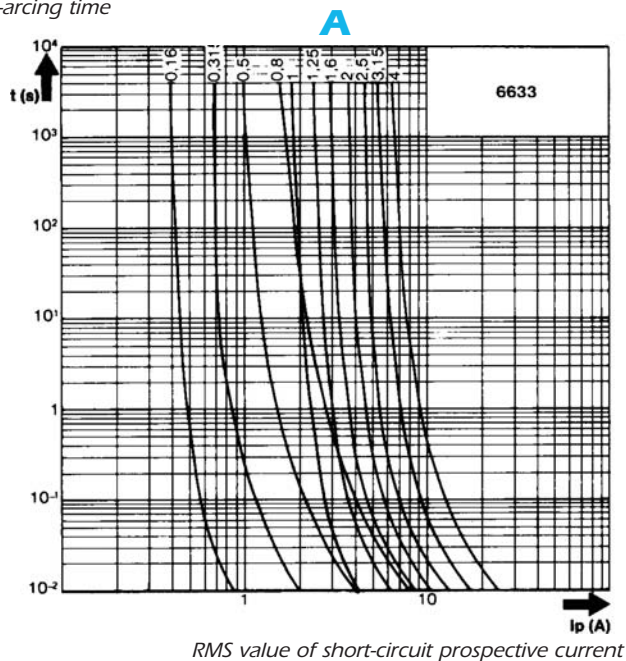
With trip-indicator

FIGURE 4

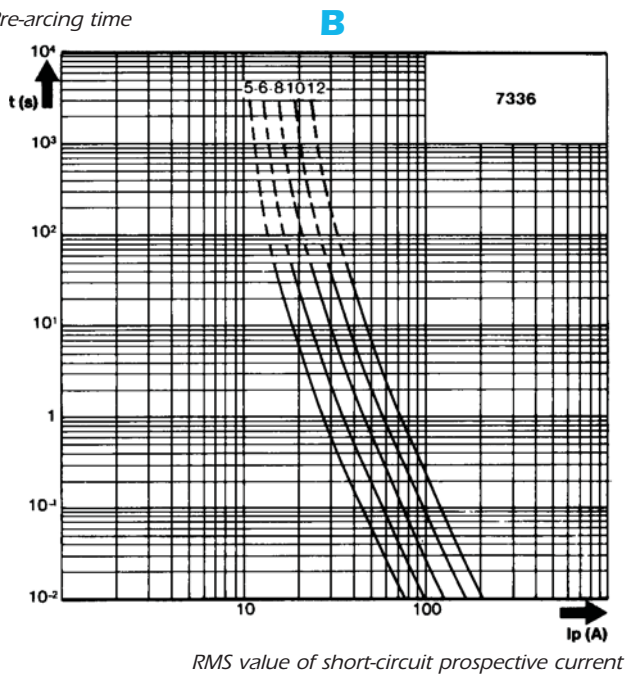
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Time/Current characteristics

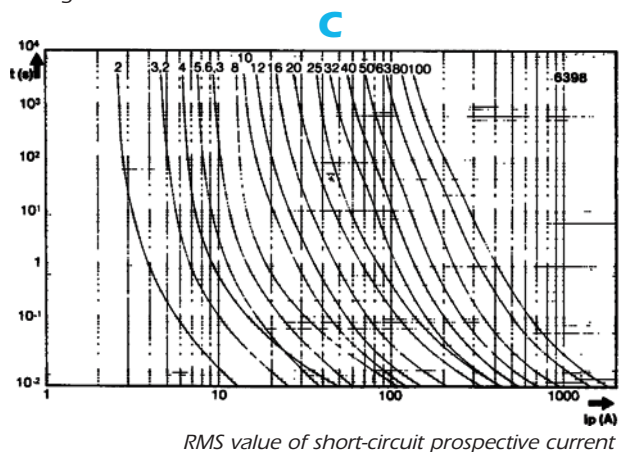
Pre-arcing time



Pre-arcing time



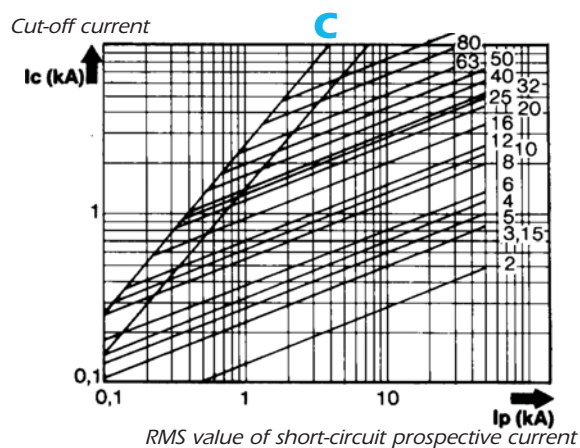
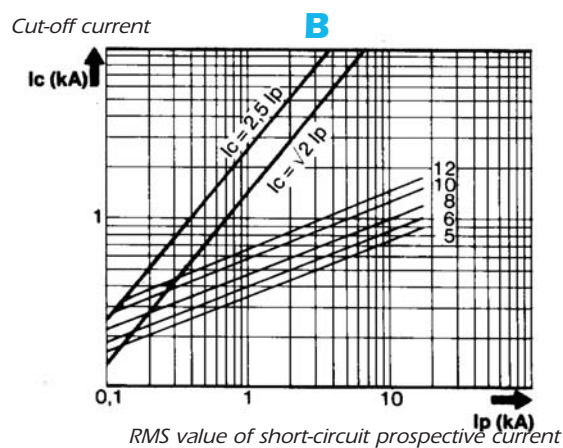
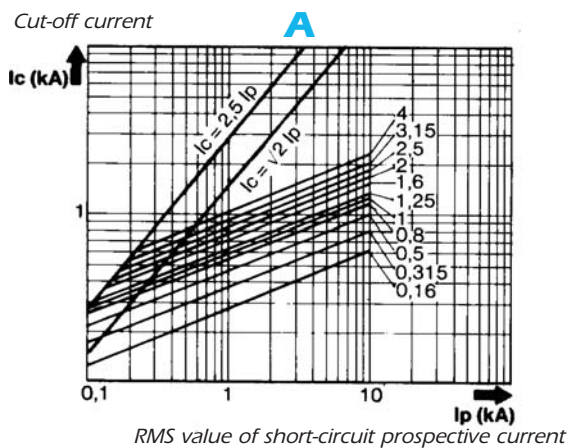
Pre-arcing time



Medium voltage fuses

European Fuses MV Intermediate Fuses (lighting) 3.2kV and 5.5kV

Cut-off characteristics



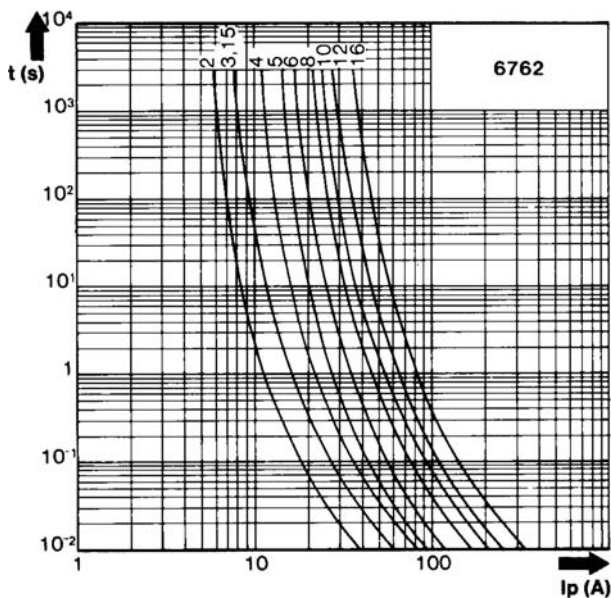
Rated Voltage (kV)	Dimensions (mm)	Rating (A)	Breaking Capacity (kA)	Peak arc voltage (kV)	Minimum Breaking Current (A)	Power Dissipation at I _n (W)	
3,2	10x180 A B	0,16	15	12			
		0,315	15	12			
		0,5	15	12			
		0,8	15	12			
		1	15	12			
		1,25	15	12			
		1,6	15	12			
		2	15	12			
		2,5	15	12			
		3,15	15	12			
	4	15	12				
	5	17,5	8	14	2		
	6	17,5	8	18	2,5		
	8	17,5	8	21	3,7		
	10	17,5	8	30	4		
	12	17,5	8	36	4,8		
		36x190 C	2	50	15		
	3,15		50	15			
	4		50	15			
	6		50	15			
8	50		15				
10	50		15		14		
12	50		15		17		
16	50		15		19		
20	50		15		20		
25	50		15		25		
32	50	7,2		17			
40	50	7,2		19			
50	50	7,2		23			
63	50	7,2		25			
80	50	7,2		25			
100	50	7,2		30			

European Fuses MV Intermediate Fuses (lighting) 3.2kV and 5.5kV

Time/Current characteristics

Pre-arcing time

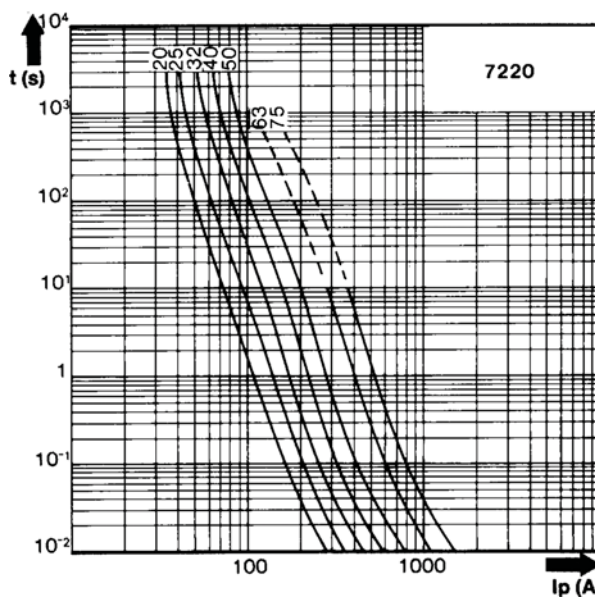
D



RMS value of short-circuit prospective current

Pre-arcing time

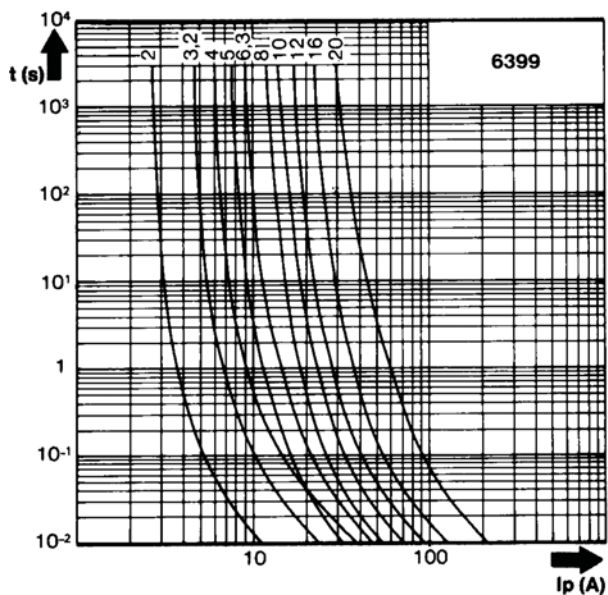
E



RMS value of short-circuit prospective current

Pre-arcing time

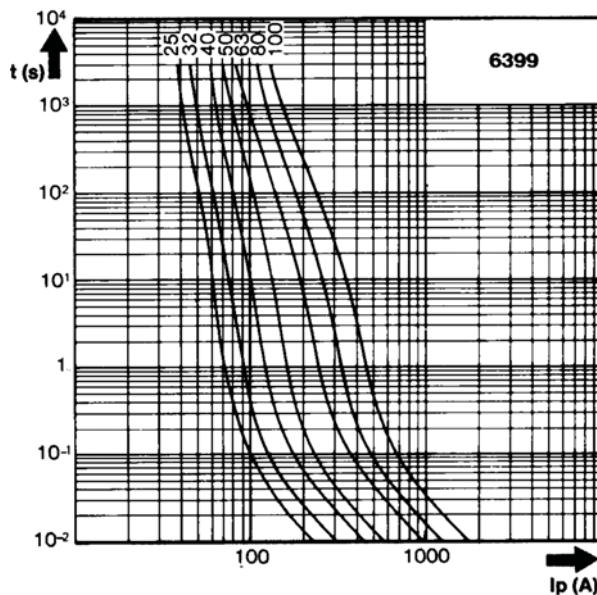
F



RMS value of short-circuit prospective current

Pre-arcing time

G

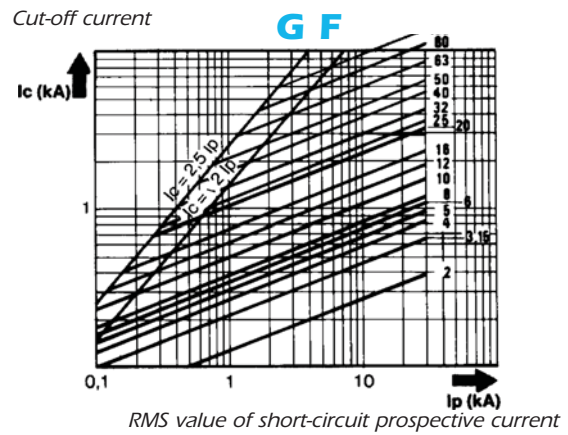
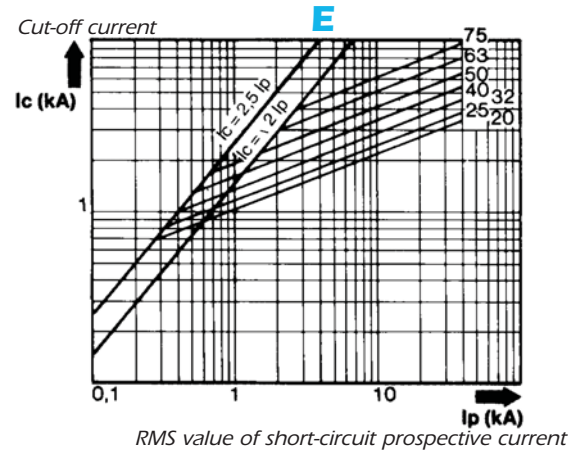
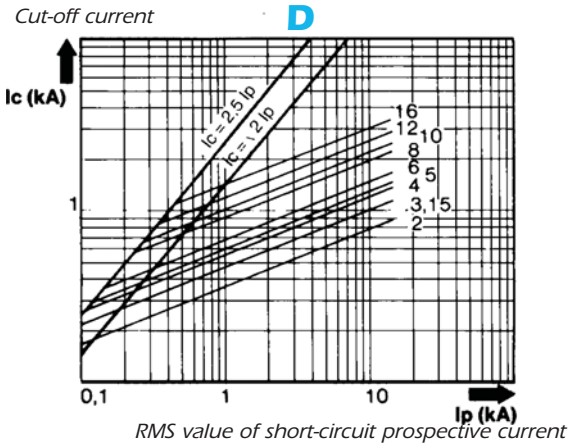


RMS value of short-circuit prospective current

Medium voltage fuses

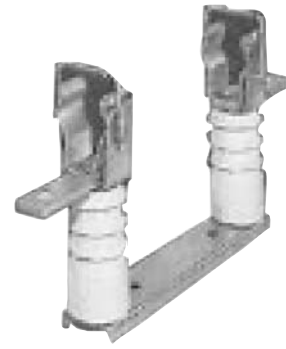
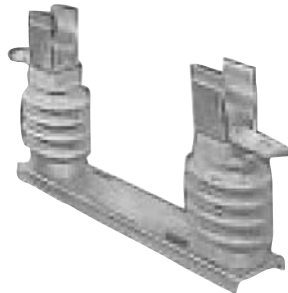
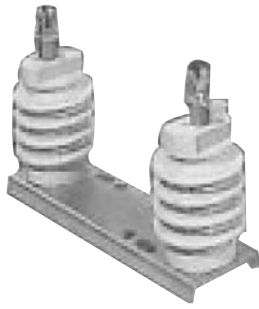
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Cut-off characteristics



Rated Voltage (kV)	Dimensions (mm)	Rating (A)	Breaking Capacity (kA)	Peak arc voltage (kV)	Minimum Breaking Current (A)	Power Dissipation at I _{fl} (W)	
5,5	10x180 A	0,16	10	12			
		0,315	10	12			
		0,5	10	12			
		0,8	10	12			
		1	10	12			
		1,25	10	12			
		1,6	10	12			
		2	10	12			
		2,5	10	12			
		3,15	10	12			
		4	10	12			
	36x250 D E	2	15	15	15		1,5
		3,15	15	15	15		2
		4	15	15	15		2,3
		5	15	15	15		2,8
		6	15	15	15		4
		8	15	15	15		5
		10	15	15	15		8
		12	15	15	15		9
		16	15	15	15		14
		20	40	12	12		16
		25	40	12	12		20
		32	40	12	12		24
	55x259 F G	40	40	12	12		30
		50	40	12	12		35
		63	40	12	12		38
		75	40	12	12		40
		2	30	18	18		
		3,15	30	18	18		
		4	30	18	18		
		5	30	18	18		
		6	30	18	18		
		8	30	18	18		
	10	30	18	18			
	12	30	18	18			
	16	30	18	18			
	20	30	18	18			
	25	30	12	12		25	
	32	30	12	12		30	
	40	30	12	12		34	
	50	30	12	12		40	
	63	30	12	12		40	
	80	30	12	12		50	
100	30	12	12		55		

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Fuse holder

Rated voltage (kV)	Withstand Voltage to earth		Designation	Figure	Reference Number	Weight (kg)	Catalog Number
	50 Hz - 1 mn (kV RMS)	1,2/50µS (kV peak)					
3,6	21	45	SI 50 10x180	5	S092706	0,22	SI50-10-180
7,2	27	60	SI 85 36x190	6	C092738	1,05	SI85-36-190TRA
7,2	27	60	SI 85 10x180	7	D092693	0,27	SI85-10-180
7,2	27	60	SI 85 36x250	8	P092864	1,15	SI85-36-250
7,2	27	60	SI 120 55x259	9	X092227	3,9	SI130-55-259

The clips MR 10, MR 36 and MR 55 can be supplied separately

Indicating device

Designation	Reference Number	Number of microswitches	Type of fuse that can be equipped	Length of flexible part (mm)	Weight (kg)	Catalog Number
MC 1-5 Flex	E098674	1	Figure 2&3	395	0,110	MC1-5NFLEX
MC 1-9 Flex	F098675	2	Figure 2&3	395	0,120	MC1-9NFLEX
MC 1-5 Flex O	E092694	1	Figure 4	395	0,205	MC1-5NFLEXO
MC 1-9 Flex O	F092695	2	Figure 4	395	0,215	MC1-9NFLEXO

The electrical data of microswitches is given

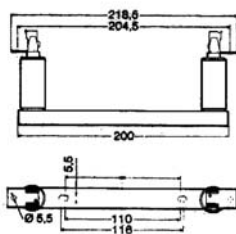


FIGURE 5

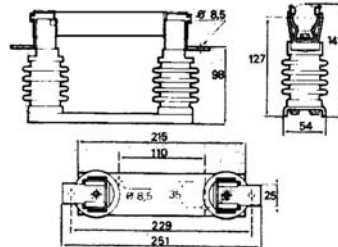


FIGURE 6

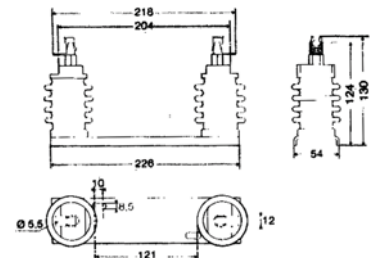


FIGURE 7

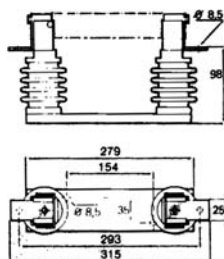


FIGURE 8

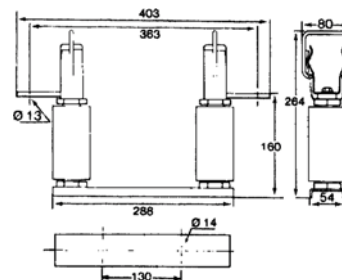


FIGURE 9