

CYLINDRICAL FUSES

gG CYLINDRICAL FUSES

22x58

I _n (A)	REFERENCE		U (V)	BREAKING CAPACITY (kA)	REFERENCE WITH STRIKER	U (V)	BREAKING CAPACITY (kA)	PACKING Uni./BOX
	WITHOUT INDICATOR	WITH INDICATOR						
2	422002	422102	690	80	-	-	-	10/50
4	422004	422104	690	80	422204	690	80	10/50
6	422006	422106	690	80	422206	690	80	10/50
8	422008	422108	690	80	422208	690	80	10/50
10	422010	422110	690	80	422210	690	80	10/50
12	422012	422112	690	80	422212	690	80	10/50
16	422016	422116	690	80	422216	690	80	10/50
20	422020	422120	690	80	422220	690	80	10/50
25	422025	422125	690	80	422225	690	80	10/50
32	422032	422132	690	80	422232	690	80	10/50
40	422040	422140	690	80	422240	690	80	10/50
50	422050	422150	690	80	422250	690	80	10/50
63	422063	422163	690	80	422263	690	80	10/50
80	422080	422180	500	120	422280	500	120	10/50
100	422000	422100	500	120	422200	500	120	10/50
125*	422015	422115	400	120	422215	400	120	10/50

* OVERRATING FUSES



gG aM NEUTRAL LINKS

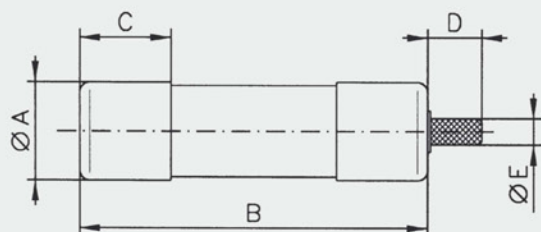
8x32
10x38
14x51
22x58

SIZE	REFERENCE	PACKING Uni./BOX
8x31	430000	10/100
10x38	431000	10/100
14x51	432000	10/50
22x58	433000	10/50



431000

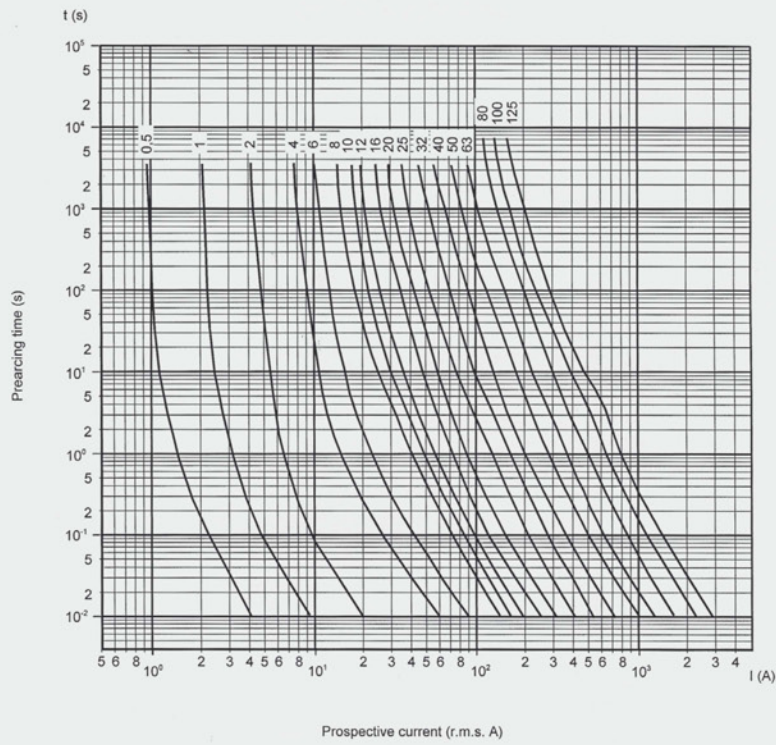
TECHNICAL gG CYLINDRICAL FUSES DIMENSIONS



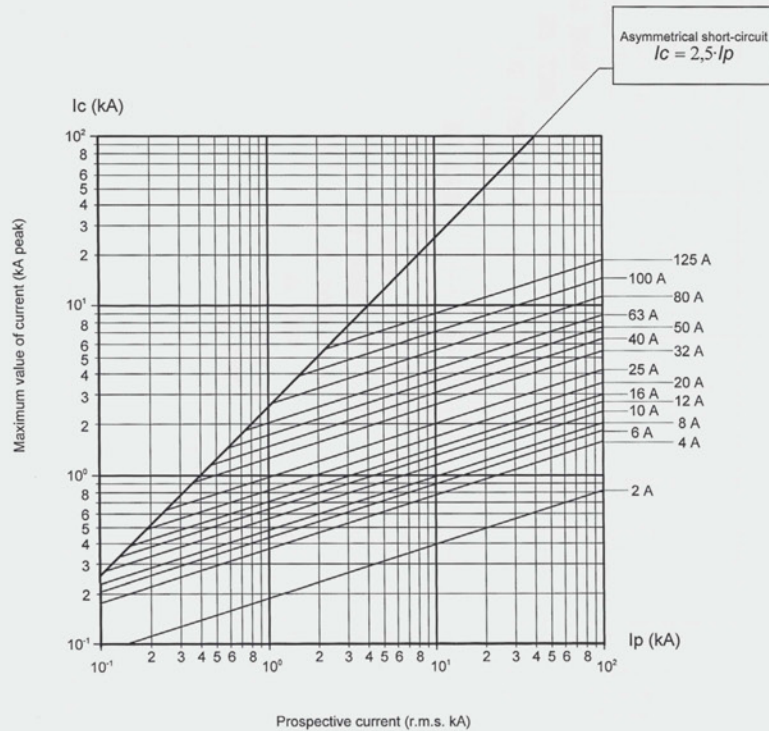
SIZE	A	B	C	D	E
8,5x31,5	8,5	31,5	6,3	-	-
10,3x38	10,3	38	8,5	-	-
14,3x51	14,3	51	11,5	8	4
22,2x58	22,2	58	15,5	8	4

COMPATIBLE
PMP PANEL MOUNTING
& PMP SOCKET FUSE
HOLDERS

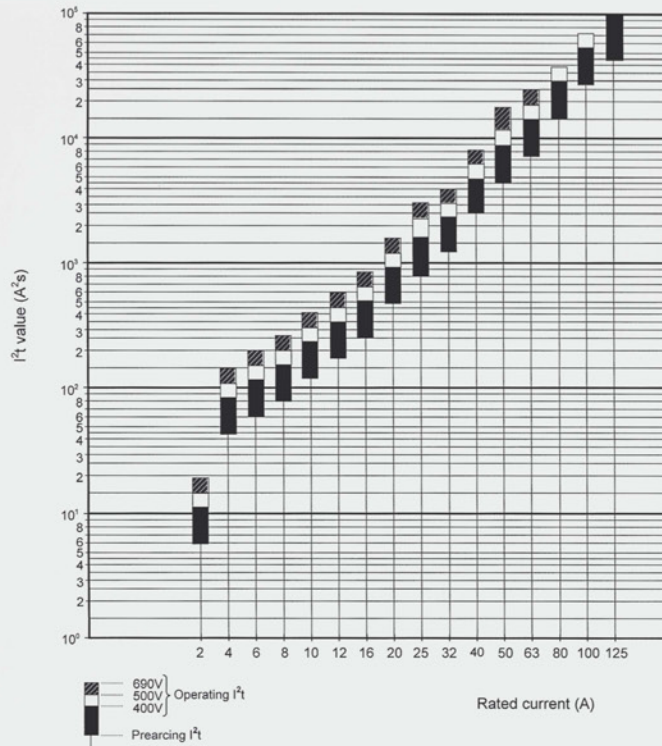
TECHNICAL
gG CYLINDRICAL FUSES
t-I CHARACTERISTICS



TECHNICAL
gG CYLINDRICAL FUSES
CUT-OFF CHARACTERISTICS



TECHNICAL **gG** CYLINDRICAL FUSES I^2t CHARACTERISTICS



TECHNICAL **gG** CYLINDRICAL FUSES POWER DISSIPATION

I_n (A)	SIZE			
	8,5x32 (W)	10x38 (W)	14x51 (W)	22x58 (W)
0,5	1,2	1,43	–	–
1	2,0	2,77	3,90	–
2	0,5	0,60	0,90	1,00
4	0,8	0,70	1,00	1,10
6	1,1	0,85	1,15	1,30
8	1,3	0,75	1,00	1,10
10	1,0	1,00	1,30	1,50
12	1,2	1,30	1,70	1,80
16	1,5	1,60	2,00	2,10
20	2,0	2,00	2,50	2,70
25	–	2,60	3,30	3,30
32	–	2,90	3,50	3,50
40	–	–	4,75	4,00
50	–	–	4,80	5,50
63	–	–	–	6,90
80	–	–	–	7,80
100	–	–	–	9,00
125	–	–	–	11,4

TECHNICAL

gG CYLINDRICAL FUSES DC APPLICATIONS

Fuses are generally suitable for both AC and DC applications. The DC performance of fuse-links is different and AC ratings cannot be used for DC applications. There is no simple rule that safely converts an AC voltage rating of a fuse-link to DC voltage rating. For this reason it is necessary to take into account a lot of aspects in order to determine the DC applications.

In the **DF ELECTRIC gG cylindrical fuses** it is necessary to take into account the following considerations:

- The power dissipations are the same in AC (RMS value) and the DC values.
- The time current characteristics are the same for DC applications under steady-state conditions.
- The DC rated voltage and maximum breaking capacity are lower than the AC values (see the table).

SIZE	RATED CURRENT	MAX. DC VOLTAGE	DC BREAKING CAPACITY
8,5x31,5	0,5A...10A 12A...20A	150V DC 60V DC	5 kA
10x38	0,5A...16A 20A...32A	250V DC 80V DC	15 kA
14x51	1A...25A 32A & 40A 50A	440V DC 80V DC 48V DC	15 kA
22x58	2A...63A 80A & 100A 125A	440V DC 80V DC 48V DC	15 kA

NOTES

These values are referred to a time constant L/R = 15 ms.

For higher values of time constant, the maximum utilization voltage must be reduced.

For circuits with very inductive behaviour, we recommend to connect two fuses in series.