



PROTISTOR® FUSES



BRITISH STANDARD
250V - URGG - URGH
From 50 to 1050 A
Sizes 36x27 - 2x36x27

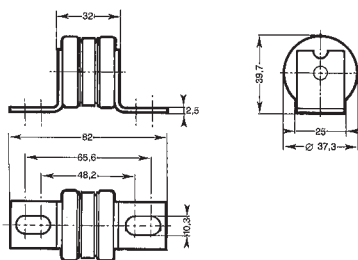
- EXTREMELY HIGH INTERRUPTING RATING FUSES:
PROTECTION OF POWER SEMI CONDUCTORS ACCORDING
TO 269.1 AND 4 IEC STANDARD
- 250 V VOLTAGE RATING ACCORDING TO IEC 33
- gR CLASS (RATINGS FROM 50 to 350 A URGG - 300 to
700 A URGH) ACCORDING TO VDE 636-23 AND IEC 269.4
- aR CLASS (RATINGS FROM 400 to 525 A URGG - 800 to
1050 A URGH) ACCORDING TO VDE 636-23 AND IEC 269.4
- TWO MODELS COMPLYING WITH BS 88-4
 - WITHOUT INDICATOR
 - WITH SEPARATED TRIP-INDICATOR



MAIN CHARACTERISTICS

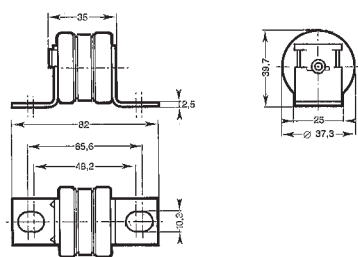
Voltage rating U_N (V)	Sizes	Class	Current rating I_N (A)	pre-arcing I_{2t} @ 1 ms $I^2 t_p$ (A ² s)	Total clearing $I^2 t$ @ U_N A ² s	Watt losses		Tested interrupting rating
						0.8 I_N	I_N	
250 V	36x27	URGG	50	120	500	4.75	9.5	100 kA @ 250 V
			75	330	1380	6.3	12.6	
			100	745	3060	7.8	15.7	
			125	1340	5500	9.1	18.2	
			150	1930	7950	10.8	21.6	
			200	4020	16400	13.5	27.0	
			250	5350	30000	16.3	32.6	
			300	7290	49600	18.6	37.2	
			350	18000	74000	21	42.0	
			400	25100	128000	23.4	46.7	
			450	33500	170000	27.1	54.1	
			500	43000	219000	30.4	60.8	
			525	48200	245000	33.2	66.4	
	2x36x27	URGH	300	7700	31800	21.6	43.2	100 kA @ 250 V
			350	11500	48700	24.3	48.6	
			400	16000	65600	27	54.0	
			500	29100	120000	32.6	65.2	
			600	48200	198500	37.2	74.4	
			700	72000	276000	42.0	84.0	
			800	100000	512000	46.7	93.4	
			900	134000	680000	54.1	108.2	
			1000	172000	876000	60.8	121.6	
			1050	193000	980000	66.4	132.8	

CP 36x27 - Without trip-indicator



Size	Code	Part #	Pack.
36x27	2.5 URGG 36/50	J 080945	6 (910 g)
	2.5 URGG 36/75	K 080946	
	2.5 URGG 36/100	L 080947	
	2.5 URGG 36/125	R 082470	
	2.5 URGG 36/150	Q 082469	
	2.5 URGG 36/200	P 082468	
	2.5 URGG 36/250	N 082467	
	2.5 URGG 36/300	M 082466	
	2.5 URGG 36/350	L 082465	
	2.5 URGG 36/400	G 075538	
	2.5 URGG 36/450	H 075539	
	2.5 URGG 36/500	J 075540	
	2.5 URGG 36/525	K 075541	

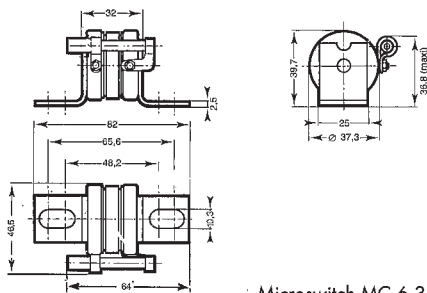
CP 36x27 - With built-in trip-indicator



Microswitch MC 36 GR 2.5 N - Ref. P 092496

Size	Code	Part #	Pack.
36x27	2.5 URGG 36 T 50	F 080942	6 (910 g)
	2.5 URGG 36 T 75	G 080943	
	2.5 URGG 36 T 100	H 080944	
	2.5 URGG 36 T 125	W 082382	
	2.5 URGG 36 T 150	V 082381	
	2.5 URGG 36 T 200	T 082380	
	2.5 URGG 36 T 250	S 082379	
	2.5 URGG 36 T 300	R 082378	
	2.5 URGG 36 T 350	Q 082377	
	2.5 URGG 36 T 400	L 075542	
	2.5 URGG 36 T 450	M 075543	
	2.5 URGG 36 T 500	N 075544	
	2.5 URGG 36 T 525	P 075545	

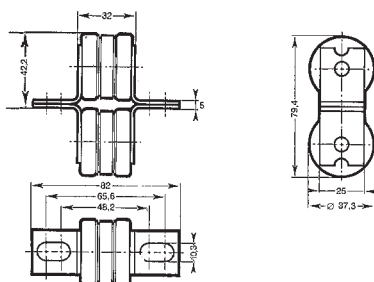
CP 36x27 - With separated trip-indicator



Microswitch MC 6.3 GR 2.5 N - Ref. Y 310005

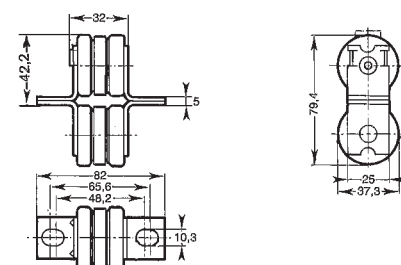
Size	Code	Part #	Pack.
36x27	2.5 URGG 36 P 50	C 080939	6 (970 g)
	2.5 URGG 36 P 75	D 080940	
	2.5 URGG 36 P 100	E 080941	
	2.5 URGG 36 P 125	Y 081004	
	2.5 URGG 36 P 150	X 081003	
	2.5 URGG 36 P 200	W 081002	
	2.5 URGG 36 P 250	V 081001	
	2.5 URGG 36 P 300	T 081000	
	2.5 URGG 36 P 350	S 080999	
	2.5 URGG 36 P 400	V 075504	
	2.5 URGG 36 P 450	W 075505	
	2.5 URGG 36 P 500	X 075506	
	2.5 URGG 36 P 525	Y 075507	

CP 2x36x27 - Without trip-indicator



Size	Code	Part #	Pack.
2x36x27	2.5 URGH 236/300	K 082464	3 (870 g)
	2.5 URGH 236/350	J 082463	
	2.5 URGH 236/400	H 082462	
	2.5 URGH 236/500	G 082461	
	2.5 URGH 236/600	F 082460	
	2.5 URGH 236/700	E 082459	
	2.5 URGH 236/800	Q 075546	
	2.5 URGH 236/900	R 075547	
	2.5 URGH 236/1000	S 075548	
	2.5 URGH 236/1050	T 075549	

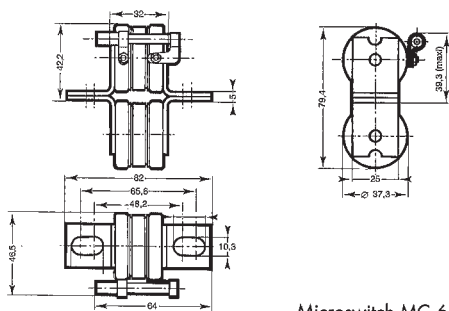
CP 2x36x27 - With built-in trip-indicator



Microswitch MC 36 GR 2.5 N - Ref. P 092496 - See technical data: Z 600414

Size	Code	Part #	Pack.
2x36x27	2.5 URGH 236 T 300	P 082376	3 (870 g)
	2.5 URGH 236 T 350	N 082375	
	2.5 URGH 236 T 400	M 082374	
	2.5 URGH 236 T 500	L 082373	
	2.5 URGH 236 T 600	K 082372	
	2.5 URGH 236 T 700	J 082371	
	2.5 URGH 236 T 800	V 075550	
	2.5 URGH 236 T 900	R 075501	
	2.5 URGH 236 T 1000	S 075502	
	2.5 URGH 236 T 1050	T 075503	

CP 2x36x27 - With separated trip-indicator

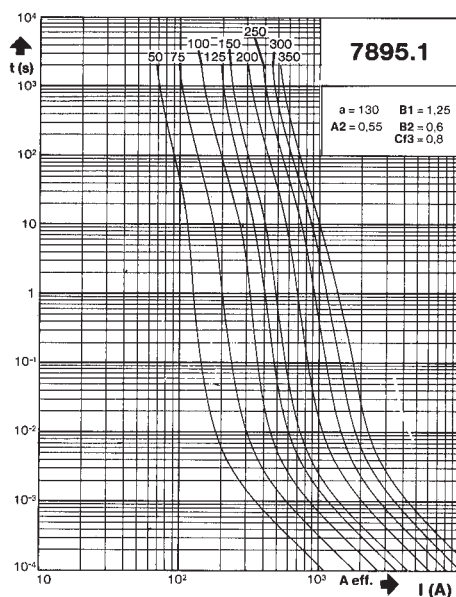


Microswitch MC 6.3 GR 2.5 N - Ref. Y 310005

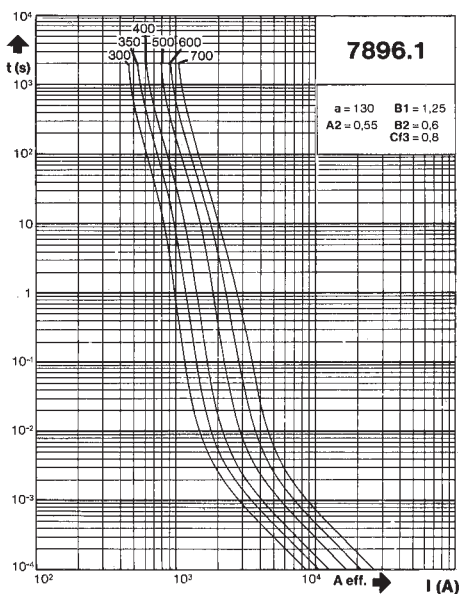
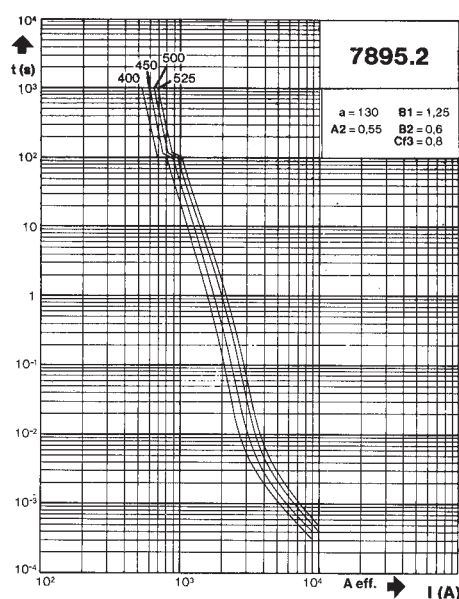
Size	Code	Part #	Pack.
2x36x27	2.5 URGH 236 P 300	R 080998	3 (900 g)
	2.5 URGH 236 P 350	Q 080997	
	2.5 URGH 236 P 400	P 080996	
	2.5 URGH 236 P 500	N 080995	
	2.5 URGH 236 P 600	M 080994	
	2.5 URGH 236 P 700	L 080993	
	2.5 URGH 236 P 800	Z 075508	
	2.5 URGH 236 P 900	A 075509	
	2.5 URGH 236 P 1000	B 075510	
	2.5 URGH 236 P 1050	C 075511	

ELECTRICAL CHARACTERISTICS

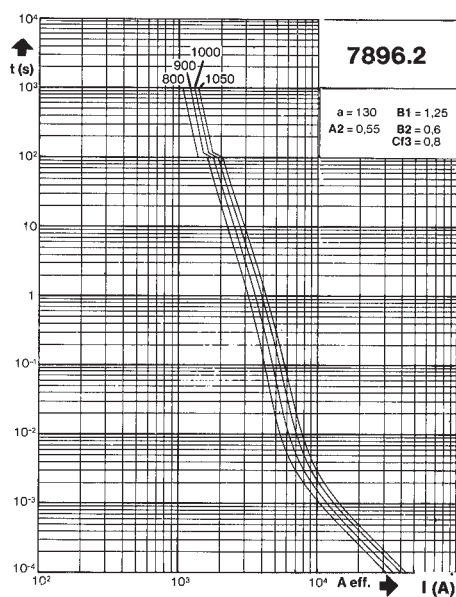
Times vs current characteristics



URGG



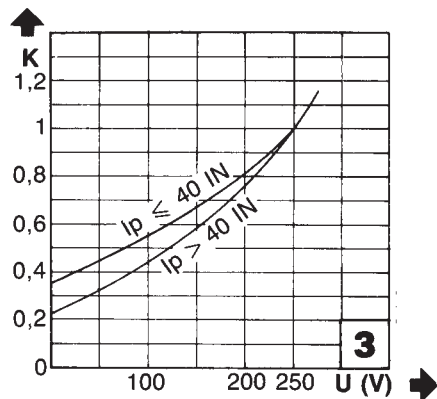
URGH



- These curves indicate, for each rated current, the pre-arcing time vs. the R.M.S. pre-arcing current.
- Tolerance for the mean pre-arcing current $\pm 10\%$.

Corrective factor - Peak arc voltage

Corrective factor



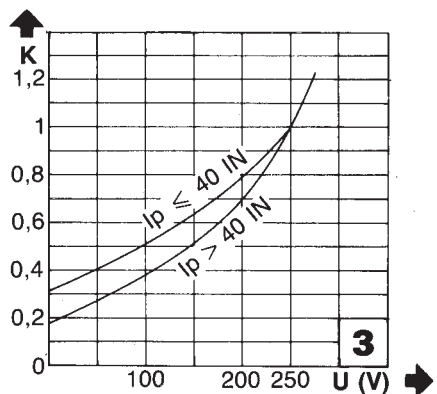
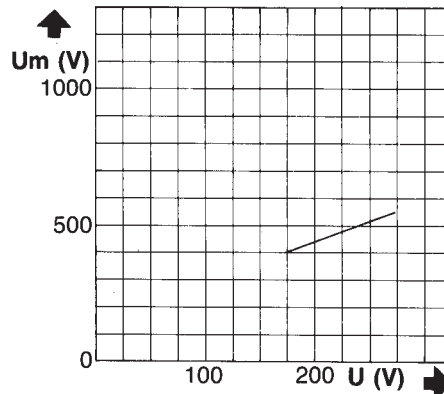
URGG

from 50 to 350 A

URGH

from 300 to 700 A

Peak arc voltage

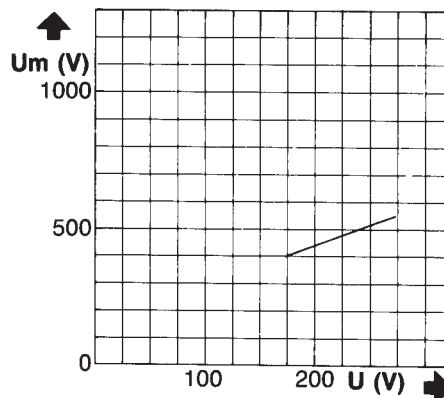


URGG

from 400 to 525 A

URGH

from 800 to 1050 A



Corrective factor :

The mean curves show the variation of the total clearing time (I^2t_t) as a function of operating voltage U .

Peak arc voltage :

This curve shows the peak value U_m of the arc voltage which appears across the fuse link as a function of the operating voltage U @ $\cos \varphi = 0.15$.

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