FERRAZ

PROTISTOR® FUSES

BRITISH STANDARD - 660 V
URR - URGL - URU - URGK
From 75 to 800 A
Sizes 36x55 - 2x36x55

- EXTREMELY HIGH INTERRUPTING RATING FUSES: PROTECTION OF POWER SEMI CONDUCTORS ACCORDING TO 269.1 AND 4 IEC STANDARD
- 660 V VOLTAGE RATING ACCORDING TO IEC 33
- aR CLASS (RATINGS FROM 75 to 800 A) ACCORDING TO VDE 636-23 AND IEC 269.4
- THREE MODELS COMPLYING WITH BS 88-4
  - WITHOUT INDICATOR
  - WITH SEPARATED TRIP-INDICATOR
  - WITH BUILT-IN TRIP-INDICATOR

MAIN CHARACTERISTICS

Voltage rating U_N (V)	Size	Class	Current rating I_N (A)	pre-arcing I^2t @ 1 ms I^2t_p (A^2s)	Total clearing I^2t @ U_N A^2s		Watt losses		Tested interrupting rating
					$I_p \leq 50\ I_N$	$I_p > 50\ I_N$	0.8 I_N	I_N	
660 V	36x55	URR	75	350	1800	2000	9.7	19.5	200 kA @ 660 V
			110	1180	6000	6700	11.3	22.8	
			200	3900	18500	20500	21.8	41.4	
			250	8760	41000	46000	23.6	44.1	
		URGL	50	180	860	990	7.3	14.0	200 kA @ 660 V
			65	335	1600	1840	8.8	17.1	
			85	480	3450	4000	12.2	23.5	
			90	720	4100	4700	13.2	25.5	
			150	2880	12600	14500	18.9	35.3	
			180	5350	22500	25500	19.1	35.7	
			200	9510	40000	46000	17.7	33.1	
			250	21400	97000	110000	18.7	34.5	
			280	29100	125000	145000	20.3	38.0	
			315	38100	157000	180000	22.7	42.6	
			355	48200	190000	215000	25.9	48.5	
			400	72000	265000	305000	26.7	50.0	
	2x36x55	URU	200	4700	24000	27000	18.4	33.0	200 kA @ 660 V
			235	6920	34500	39000	21.0	37.6	
			400	21200	100000	110000	34.8	62.3	
			500	35000	164000	184000	47.2	88.2	
			630	97300	515000	575000	41.1	73.2	
		URGM	175	2880	13800	16000	24.7	47.6	200 kA @ 660 V
			300	13700	60000	68000	31.5	59.0	
			325	21400	90000	102000	30.0	54.0	
			355	25200	106000	120000	33.1	62.0	
			450	65600	300000	340000	34.6	63.8	
			500	85600	390000	440000	37.4	69.0	
			630	152000	630000	720000	45.4	85.2	
			710	193000	760000	860000	51.8	97.0	
			800	282000	1.06 10^6	1.22 10^6	53.4	100.0	

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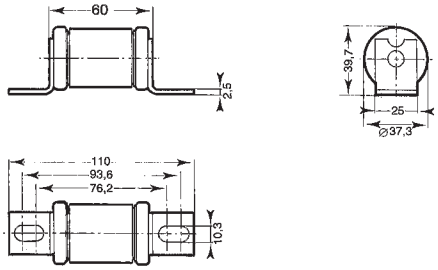
RA 0282 A

GROUPE CARBONE LORRAINE

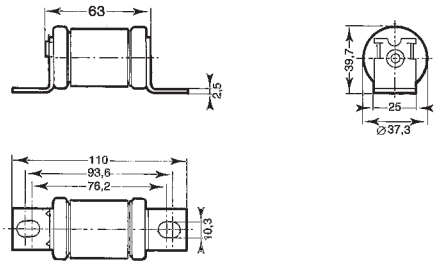
PART #s

CP 36x55 - Without trip-indicator



Size	Code	Part #	Pack.
36x55	6.6 URGL 36/50	X 097103	6 (1240 g)
	6.6 URGL 36/65	H 097113	
	6.6 URR 36/75	H 097136	
	6.6 URGL 36/85	M 097163	
	6.6 URGL 36/90	N 097164	
	6.6 URR 36/110	P 097165	
	6.6 URGL 36/150	Q 097166	
	6.6 URGL 36/180	R 097167	
	6.6 URR 36/200	S 097168	
	6.6 URGL 36/200	T 097169	
	6.6 URR 36/250	V 097170	
	6.6 URGL 36/250	W 097171	
	6.6 URGL 36/280	A 097175	
	6.6 URGL 36/315	B 097176	
	6.6 URGL 36/355	C 097177	
	6.6 URGL 36/400	D 097178	

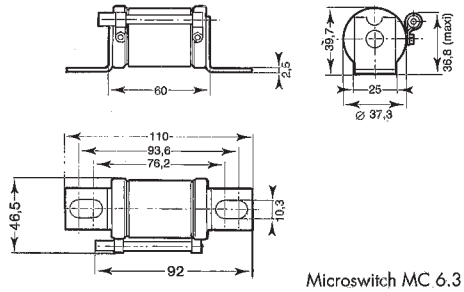
CP 36x55 - With built-in trip-indicator



Microswitch MC 36 GR 2.5 N - Ref. P 092496

Size	Code	Part #	Pack.
36x55	6.6 URGL 36 T 50	N 097210	6 (1240 g)
	6.6 URGL 36 T 65	K 097230	
	6.6 URR 36 T 75	H 099965	
	6.6 URGL 36 T 85	M 097255	
	6.6 URGL 36 T 90	N 097256	
	6.6 URR 36 T 110	R 099973	
	6.6 URGL 36 T 150	Z 082178	
	6.6 URGL 36 T 180	P 097257	
	6.6 URR 36 T 200	A 085560	
	6.6 URGL 36 T 200	R 097259	
	6.6 URR 36 T 250	W 097263	
	6.6 URGL 36 T 250	X 097264	
	6.6 URGL 36 T 280	Y 097265	
	6.6 URGL 36 T 315	Z 097266	
	6.6 URGL 36 T 355	A 097267	
	6.6 URGL 36 T 400	C 097269	

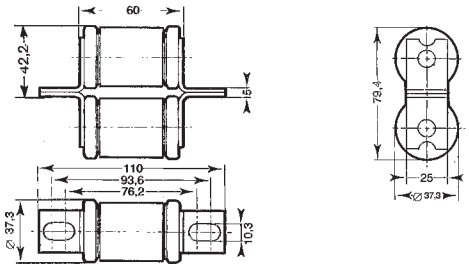
CP 36x55 - With separated trip-indicator



Microswitch MC 6.3 GR 2.5 N - Ref. Y 310015

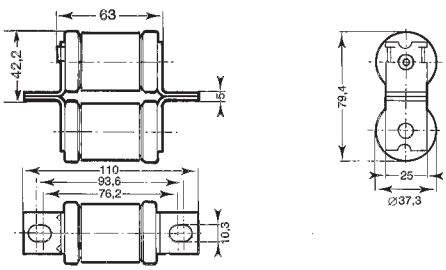
Size	Code	Part #	Pack.
36x55	6.6 URGL 36 P 90	H 097182	6 (1300 g)
	6.6 URR 36 P 110	J 097183	
	6.6 URGL 36 P 150	K 097184	
	6.6 URGL 36 P 180	L 097185	
	6.6 URR 36 P 200	M 097186	
	6.6 URGL 36 P 200	N 097187	
	6.6 URR 36 P 250	P 097188	
	6.6 URGL 36 P 250	Q 097189	
	6.6 URGL 36 P 280	R 097190	
	6.6 URGL 36 P 315	V 097193	
	6.6 URGL 36 P 355	Y 097196	
	6.6 URGL 36 P 400	M 097209	

CP 2x36x55 - Without trip-indicator



Size	Code	Part #	Pack.
2x36x55	6.6 URGM 236/175	D 097270	3 (1200 g)
	6.6 URU 236/200	F 097272	
	6.6 URU 236/235	J 097275	
	6.6 URGM 236/300	K 097276	
	6.6 URGM 236/325	R 097282	
	6.6 URGM 236/355	S 097283	
	6.6 URU 236/400	T 097284	
	6.6 URGM 236/450	Y 097288	
	6.6 URGM 236/500	Z 097289	
	6.6 URU 236/500	A 097290	
	6.6 URGM 236/630	B 097291	
	6.6 URU 236/630	R 097351	
	6.6 URGM 236/710	S 097352	
	6.6 URGM 236/800	Y 097357	

CP 2x36x55 - With built-in trip-indicator



Microswitch MC 36 GR 2.5 N - Ref. P 092496

Size	Code	Part #	Pack.
2x36x55	6.6 URGM 236 T 175	F 097456	3 (1200 g)
	6.6 URU 236 T 200	G 097457	
	6.6 URU 236 T 235	A 082179	
	6.6 URGM 236 T 300	S 085553	
	6.6 URGM 236 T 325	J 097459	
	6.6 URGM 236 T 355	N 097463	
	6.6 URU 236 T 400	P 097464	
	6.6 URGM 236 T 450	Q 097465	
	6.6 URGM 236 T 500	R 097466	
	6.6 URU 236 T 500	S 097467	
	6.6 URGM 236 T 630	V 097469	
	6.6 URU 236 T 630	W 097470	
	6.6 URGM 236 T 710	C 097476	
	6.6 URGM 236 T 800	D 097477	

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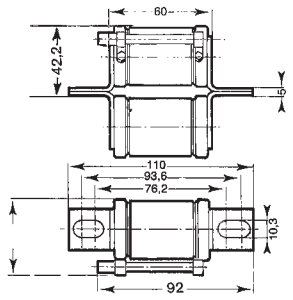
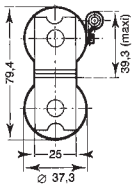
PART #s

CP 2x36x55 - With separated trip-indicator





Microswitch MC 36 GR 2.5 N - Ref. Y 310015

Size	Code	Part #	Pack
2x36x55	6.6 URGM 236 P 175 6.6 URU 236 P 200 6.6 URU 236 P 235 6.6 URGM 236 P 300 6.6 URGM 236 P 325 6.6 URGM 236 P 355 6.6 URU 236 P 400 6.6 URGM 236 P 450 6.6 URU 236 P 500 6.6 URGM 236 P 500 6.6 URU 236 P 630 6.6 URGM 236 P 630 6.6 URGM 236 P 710 6.6 URGM 236 P 800	A 097359 E 097363 F 097364 G 097365 Q 097373 R 097374 S 097375 T 097376 V 097377 E 097386 J 097390 P 097395 B 097452 E 097455	3 (1230 g)

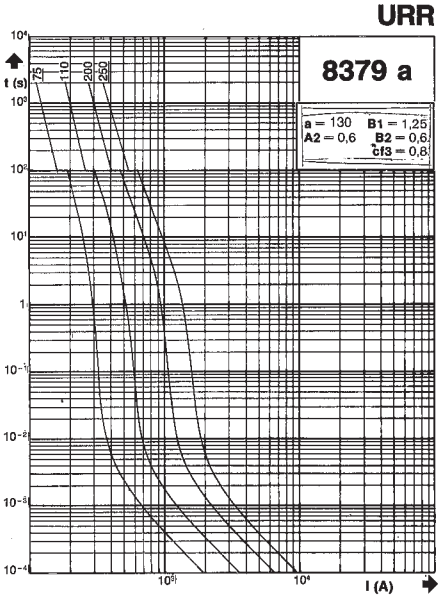
ELECTRICAL CHARACTERISTICS

Times vs current characteristics

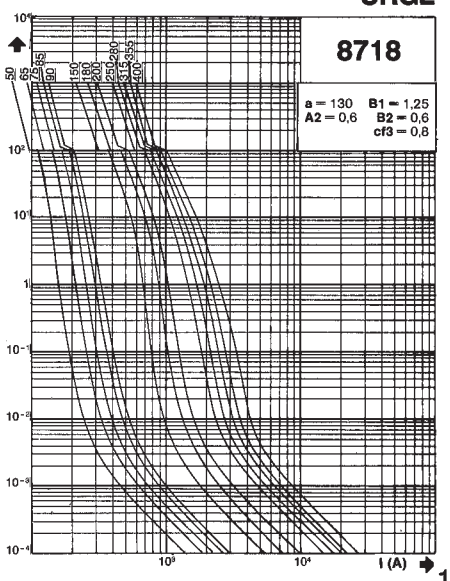
- *These curves indicate, for each rated current, the pre-arcing time vs. the R.M.S. pre-arcing current.*

- *Tolerance for the mean pre-arcing current ± 10%.*

URR



URGL



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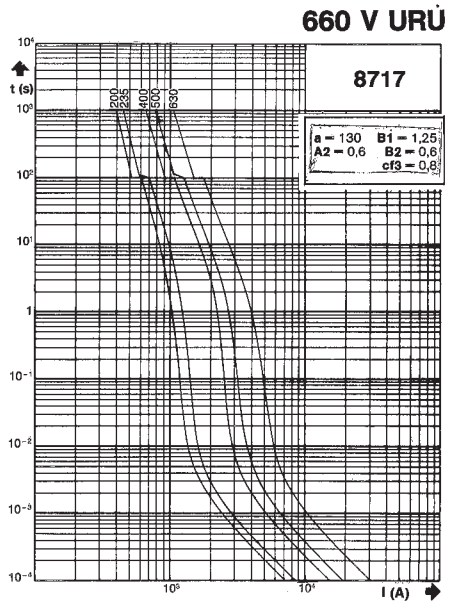
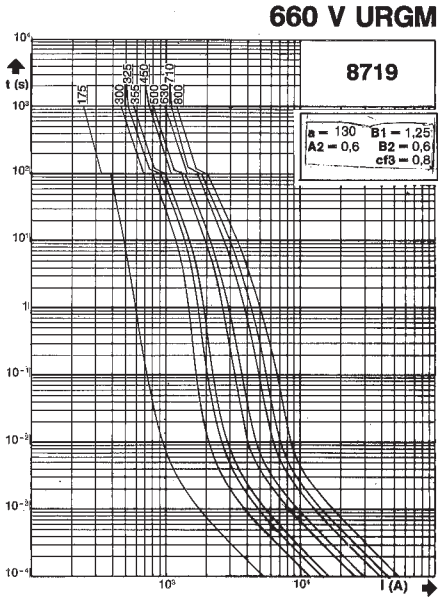
660 V URU



660 V URGM



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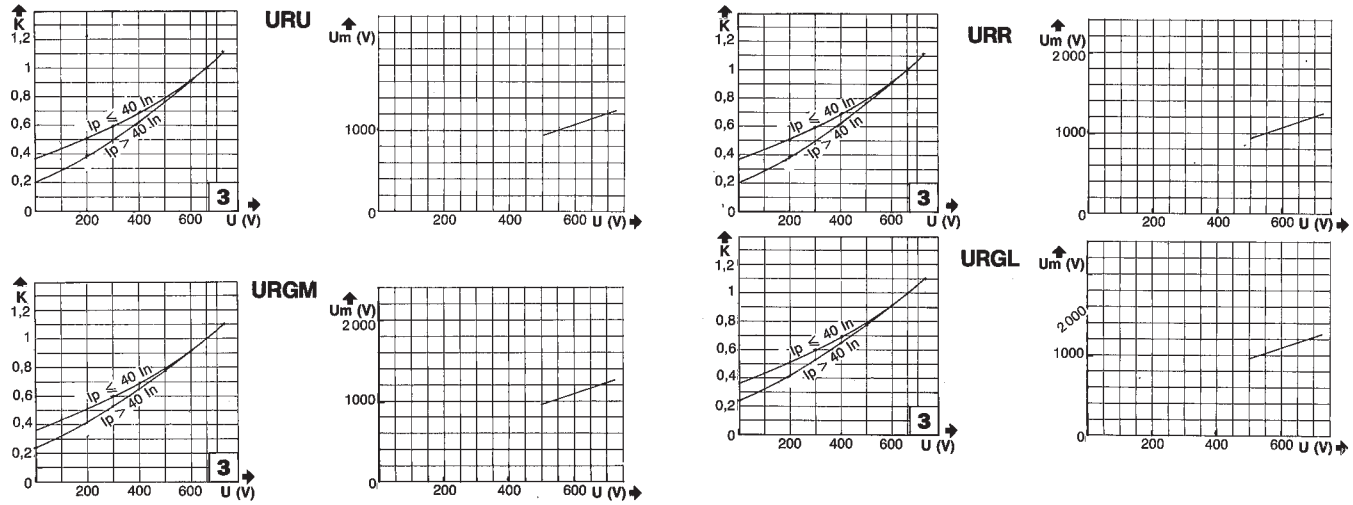
Corrective factor - Peak arc voltage

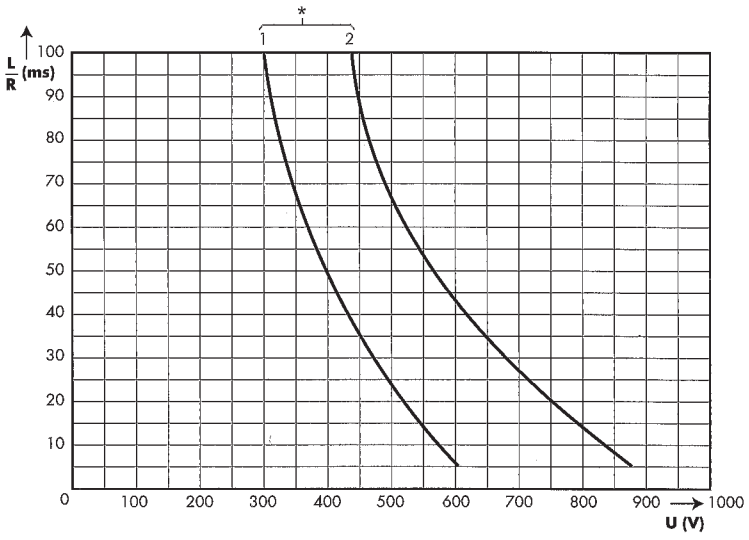
Corrective factor | Peak arc voltage | Corrective factor | Peak arc voltage



Corrective factor:
The mean curves show the variation of the total clearing time (I^2t_f) and the total clearing duration t_f as a function of operating voltage U.

Peak arc voltage:
This curve shows the peak value Um of the arc voltage which appears across the fuse link as a function of the operating voltage U @ cos φ = 0.15.

D.C. Applications data



Curves # and Ipm for each rating			
Class	Rated current	*	Ipm (A)
URR	75	2	225
	110	2	330
	200	2	600
	250	2	750
URU	200	2	600
	235	2	700
	400	2	1200
	500	2	1500
	630	1	1890

- These curves indicate the permissible value of time constant L/R as a function of the D.C. working voltage.
- The Ipm values give the minimum DC interrupting current in amps.

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