



BRITISH STANDARD STRETCHING 250V - URGS - URW From 25 to 180 A Sizes 17x27 and 20x27

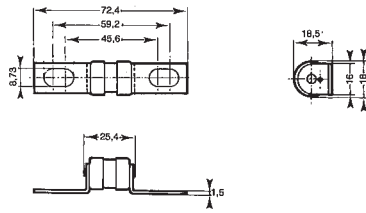
- EXTREMELY HIGH INTERRUPTING RATING FUSES:
PROTECTION OF POWER SEMI CONDUCTORS ACCORDING
TO 269.1 AND 4 IEC STANDARD
- 250 V VOLTAGE RATING ACCORDING TO IEC 33
- gR CLASS (RATINGS FROM 25 to 75 A URGS) ACCORDING
TO VDE 636-23 AND IEC 269.4
- gR CLASS (RATINGS FROM 75 to 180 A URW) ACCORDING
TO VDE 636-23 AND IEC 269.4
- TWO MODELS COMPLYING WITH BS 88-4
 - WITHOUT INDICATOR
 - WITH SEPARATED TRIP-INDICATOR



MAIN CHARACTERISTICS

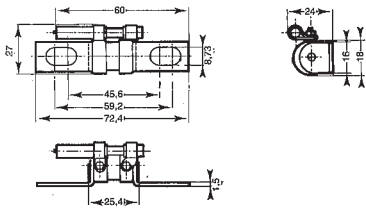
Voltage rating U_N (V)	Size	Class	Current rating I_N (A)	pre-arcing I^2_t @ 1 ms I^2_{tp} (A ² s)	Total clearing I^2_t @ U_N A ² s		Watt losses		Tested interrupting rating
					$I_p \leq 30 I_N$	$I_p > 30 I_N$	$0.8 I_N$	I_N	
250 V	17x27	URGS	25	30	130	160	2.7	4.8	160 kA @ 250 V
			30	45	195	235	3.2	5.6	
			35	63	270	330	3.7	6.5	
			50	180	790	940	4.9	8.8	
			60	250	1100	1310	5.8	10.4	
			75	380	1670	1990	7.2	13.6	
	20x27	URW			$I_p \leq 40 I_N$	$I_p > 40 I_N$			160 kA @ 250 V
			75	410	1900	2290	4.8	8.6	
			85	550	2510	3060	5.5	9.8	
			100	970	3610	4390	6.2	11.4	
			110	975	4460	5450	7.1	12.7	
			125	1180	5400	6590	7.9	14.1	
			140	1640	7500	9200	8.9	15.9	
			150	1910	8770	10700	9.6	17.1	
			160	2190	10000	12300	10.4	18.6	
			180	2810	13000	15800	11.6	20.6	

CP 17x27- Without trip-indicator



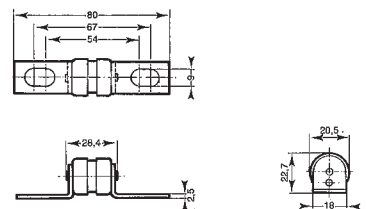
Size	Code	Part #	Pack.
17x27	2.5 URGs 18/25	V 097561	10 (880 g)
	2.5 URGs 18/30	X 097563	
	2.5 URGs 18/35	Y 097564	
	2.5 URGs 18/50	Z 097565	
	2.5 URGs 18/60	A 097566	
	2.5 URGs 18/75	B 097567	

CP 17x27 - With separated trip-indicator



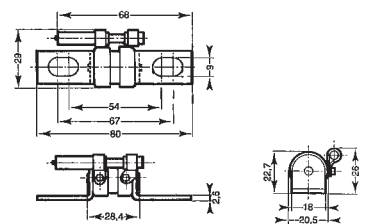
Size	Code	Part #	Pack.
17x27	2.5 URGs 18 P 25	D 097569	10 (950 g)
	2.5 URGs 18 P 30	E 097570	
	2.5 URGs 18 P 35	F 097571	
	2.5 URGs 18 P 50	H 097573	
	2.5 URGs 18 P 60	J 097574	
	2.5 URGs 18 P 75	K 097575	

CP 20x27 - Without trip-indicator



Size	Code	Part #	Pack.
20x27	2.5 URW 20/75	M 097577	10 (930 g)
	2.5 URW 20/85	N 097578	
	2.5 URW 20/100	P 097579	
	2.5 URW 20/110	Q 097580	
	2.5 URW 20/125	R 097581	
	2.5 URW 20/140	S 097582	
	2.5 URW 20/150	T 097583	
	2.5 URW 20/160	V 097584	
	2.5 URW 20/180	W 097585	

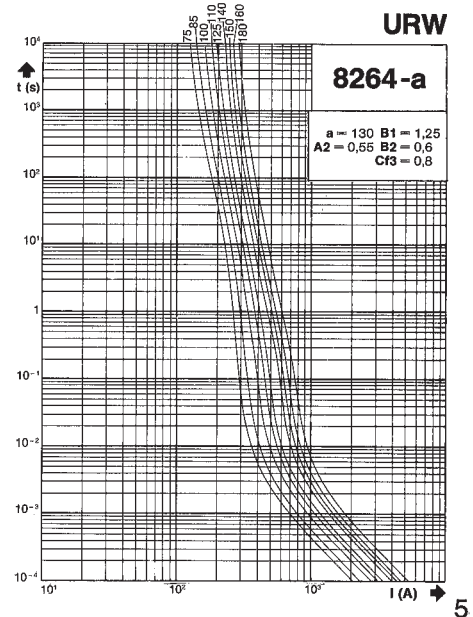
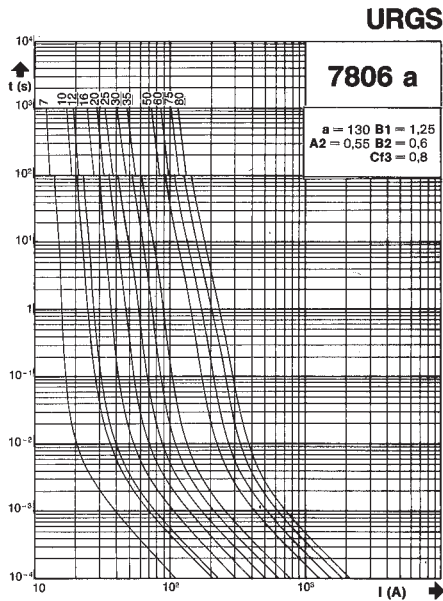
CP 20x27 - With separated trip-indicator



Size	Code	Part #	Pack.
20x27	2.5 URW 20 P 75	R 081435	10 (1020 g)
	2.5 URW 20 P 85	X 097586	
	2.5 URW 20 P 100	S 081436	
	2.5 URW 20 P 110	Y 097587	
	2.5 URW 20 P 125	Z 097588	
	2.5 URW 20 P 140	T 081437	
	2.5 URW 20 P 150	G 097595	
	2.5 URW 20 P 160	J 097597	
	2.5 URW 20 P 180	E 097616	

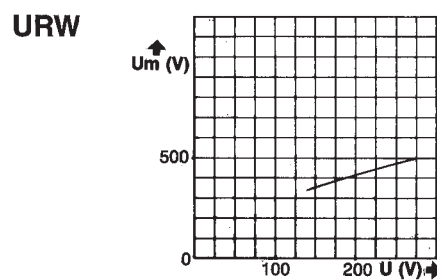
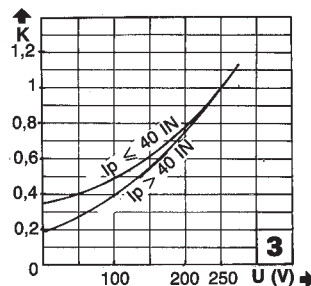
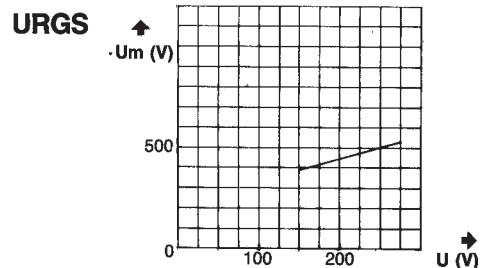
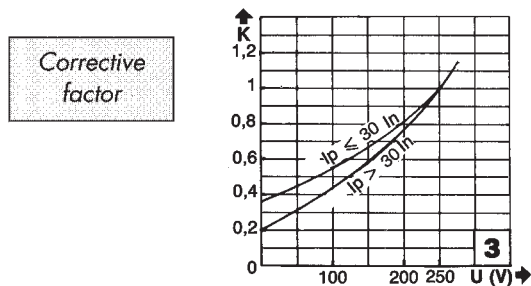
Microswitch MC 6.3 GR 2.5 N - Ref. Y 310015 - See technical data: Y 600413

Times vs current characteristics



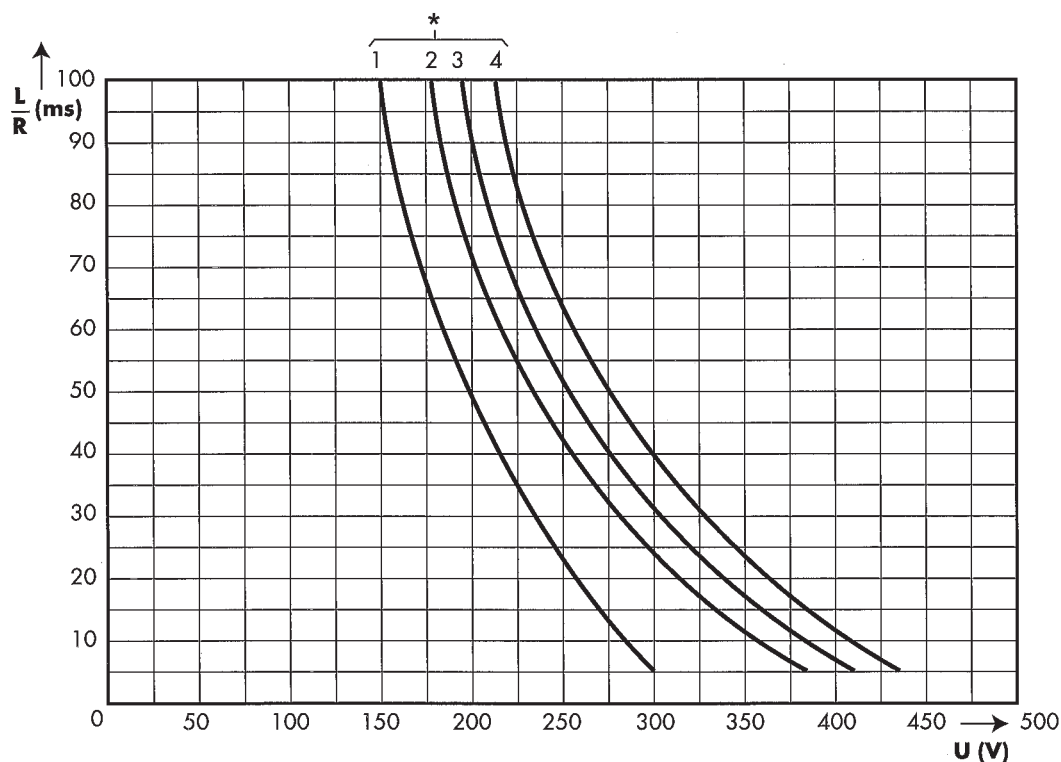
- These curves indicate, for each rated current, the pre-arcing time vs. the R.M.S. pre-arcing current.
- Tolerance for the mean pre-arcing current $\pm 10\%$.

Corrective factor - Peak arc voltage



The mean curves show the variation of the total clearing time (t_{cl}) and the total clearing duration t_f as a function of operating voltage U .

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 @ $\cos \varphi = 0.15$.



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

Curves # and I_{pm} for each rating			
Class	Rated current	*	I_{pm} (A)
URW	75	4	200
	85	4	220
	100	4	260
	110	4	280
	125	3	320
	140	2	355
	150	1	380
	160	1	400
	180	1	450

For URGS class fuses, consult us.

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