



BRITISH STANDARD - 660 V
URE - URS - URT
From 5 to 160 A
Sizes 10x51 - 17x49 - 2x17x49

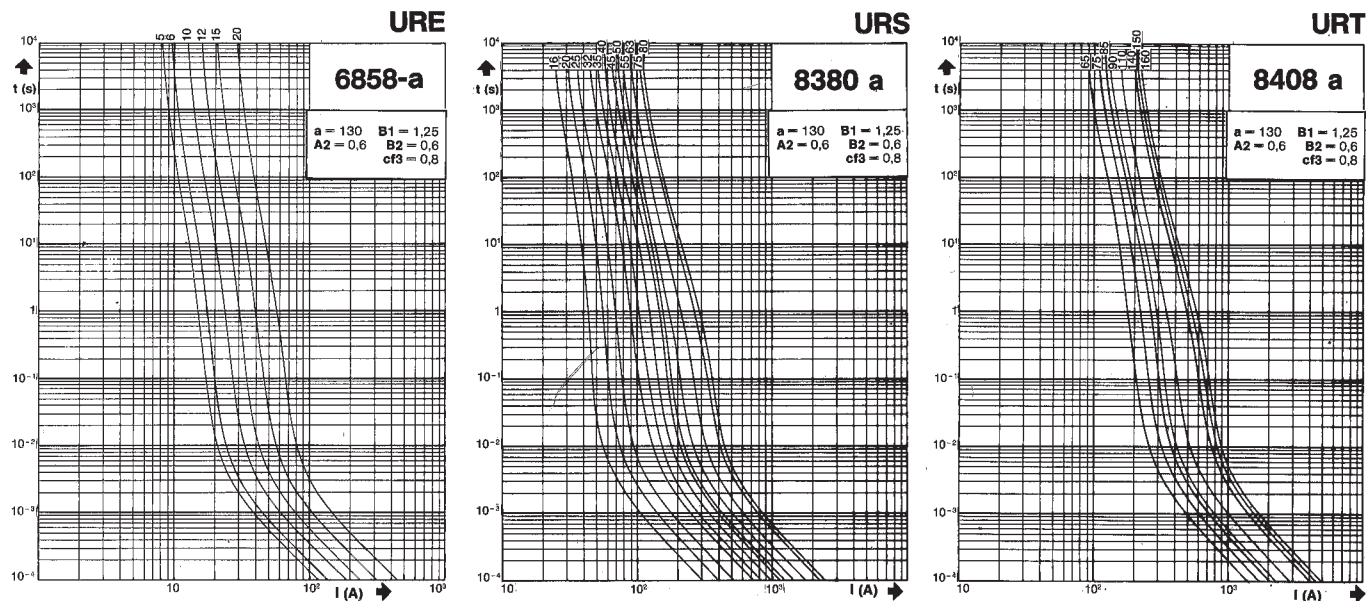
- EXTREMELY HIGH INTERRUPTING RATING FUSES:
PROTECTION OF POWER SEMI CONDUCTORS ACCORDING
TO 269.1 AND 4 IEC STANDARD
- 660 V VOLTAGE RATING ACCORDING TO IEC 33
- gR CLASS (RATINGS FROM 5 to 160 A) ACCORDING TO
VDE 636-23 AND IEC 269.4
- TWO MODELS COMPLYING WITH BS 88-4
 - WITHOUT INDICATOR
 - WITH SEPARATED TRIP-INDICATOR
(SIZES 17x49 AND 2x17x49)



MAIN CHARACTERISTICS

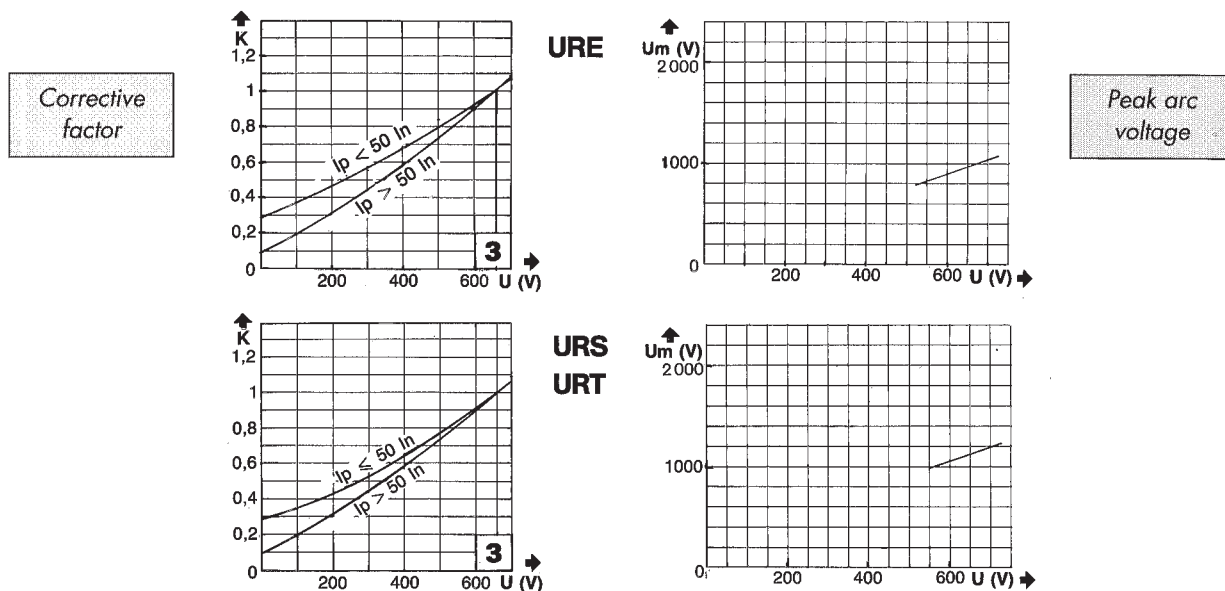
Voltage rating U_N (V)	Size	Class	Current rating I_N (A)	pre-arcing $I_{2t}^* @ 1 \text{ ms}$ $I_{2t}^* (A^2s)$	Total clearing $I_{2t}^* @ U_N$ A^2s		Watt losses		Tested interrupting rating
					$I_p \leq 50 I_N$	$I_p > 50 I_N$	$0.8 I_N$	I_N	
660 V	10x51	URE	5	1.3	10	15	1.05	2	200 kA @ 660 V
			6	1.3	13.5	20.5	1.3	2.5	
			10	3.3	25	35	2.2	4.1	
			12	5.5	40	58	2.3	4.3	
			15	9.7	70	100	2.4	4.4	
			20	19.4	120	200	3.1	5.8	
	17x49	URS	16	9.7	75	107	2.7	4.8	200 kA @ 660 V
			20	17.3	130	185	2.9	5.3	
			25	27	200	285	3.7	6.7	
			32	53	400	570	4.7	8.6	
			35	70	510	725	5.2	9.6	
			40	98	760	1080	5.7	10.5	
			45	130	900	1280	6.2	11.4	
			50	156	1000	1420	6.8	12.6	
			55	210	1380	1970	7.2	13.3	
			63	315	2000	2850	7.5	13.9	
			75	525	3350	4630	7.8	14.4	
			80	625	3900	5700	8.5	15.8	
	2x17x49	URT	65	210	1590	2270	9.5	17.4	200 kA @ 660 V
			75	310	2300	3280	10.9	20	
			85	430	3050	4350	11.9	21.9	
			90	525	3600	5130	12.4	22.8	
			110	850	5500	7840	13.8	26.5	
			140	1730	11000	15700	15.5	28.5	
			150	2090	13400	18500	15.6	28.7	
			160	2500	15600	22800	16.9	31.5	

Times vs current characteristics



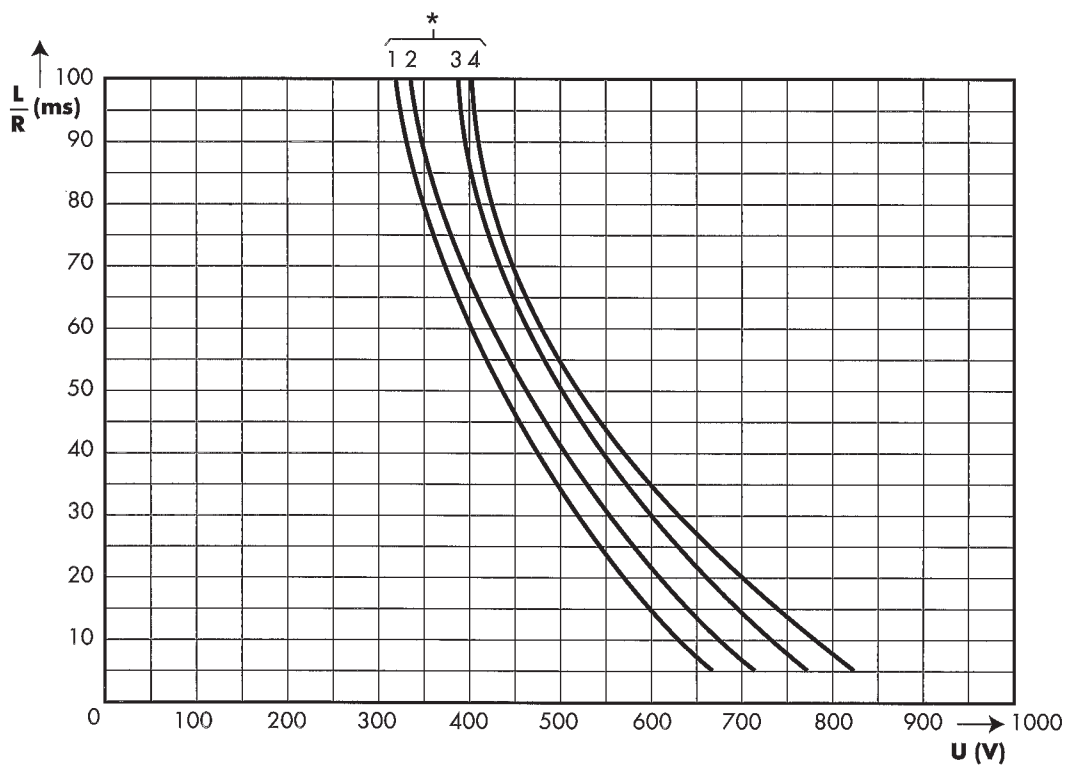
- These curves indicate, for each rated current, the pre-arcing time vs. the R.M.S. pre-arcing current.
- Tolerance for the mean pre-arcing current $\pm 10\%$.

Corrective factor - Peak arc voltage



The mean curves show the variation of the total clearing time ($t_2 + t_f$) 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.

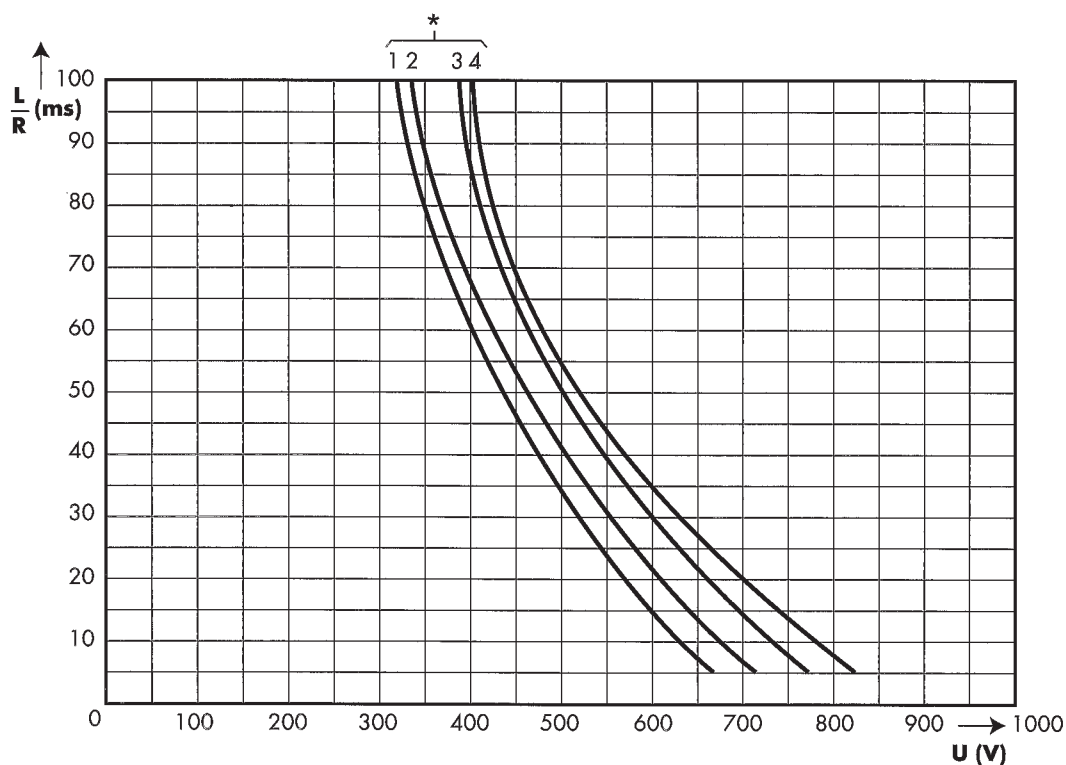
Curves # and I_{pm} for each rating			
Class	Rated current	*	I_{pm} (A)
URE	5	4	40
	6	4	48
	10	4	60
	12	4	84
	15	4	112
	20	4	140
URS	16	3	96
	20	3	140
	25	3	175
	32	3	255
	35	3	300
	40	3	320
	45	3	335
	50	3	350
	55	3	365
	63	3	390
	75	2	425
	80	1	440
URT	65	3	510
	75	3	550
	85	3	590
	90	3	610
	110	3	685
	140	3	800
	150	2	840
	160	1	880

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