



BRITISH STANDARD
660 V AC
gRB-URC-URD from 50 to 500 A
Sizes : 000 and 2.000

EXTREMELY HIGH INTERRUPTING RATING FUSES:
PROTECTION OF POWER SEMI-CONDUCTORS ACCORDING
TO 269.1 AND 4 IEC STANDARD

660 V VOLTAGE RATING (RATINGS 50 TO 500 A)

gR CLASS (gRB RATINGS 50 AND 65 A) ACCORDING
TO VDE 636-23

- ALL OVERLOADS CLEARING
- IMPROVING SAFETY AND PROTECTION
- ENABLING SELECTIVE COORDINATION WITH ALL THE FUSES

αR CLASS (URC AND URD RATINGS 75 TO 500 A) ACCORDING
TO VDE 636-23 AND IEC 269.4

FOUR MODELS : SINGLE AND TWIN BODY ACCORDING TO
BS 88-4 STANDARD ; Z2 DRAWING (92 mm BETWEEN AXES)
WITHOUT BLOWN FUSE INDICATOR-WITH SEPARATED TRIP-INDICATOR



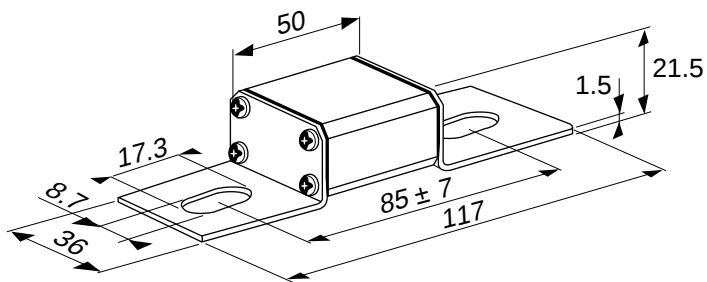
CARACTERISTIQUES PRINCIPALES

Voltage rating U_N (V)	Size	Class	Current rating I_N (A)	pre-arcing $I_{2t}^2 @ 1 \text{ ms}$ $I_p^2 (A^2_s)$	Total clearing $I_{2t}^2 @ U_N$ $I_{2t}^2 (A^2_s)$	Watt losses		Tested interrupting rating	Estimated interrupting rating
						0.8 I_N	I_N		
660	000	gRB	50	102	730	7.7	14	200 k A @ 660 V	300 k A @ 660 V
			65	210	1500	8.8	16		
		URC	75	390	2500	9.4	17		
			85	540	3300	10.5	19		
			90	690	4200	13.2	24		
			110	1300	8900	13.8	25		
			150	2700	16000	14.3	26		
			180	5250	31500	14.9	27		
			200	9900	52000	15.4	28		
			250	15500	82000	17.6	32		
			280	15500	82000	23.7	43		
	2.000	URC	175	2760	16800	18.2	33	200 k A @ 660 V	300 k A @ 660 V
			200	3800	25000	20.4	37		
			235	5200	35600	24.2	44		
			300	10800	64000	28.6	52		
			325	15400	92400	29.1	53		
			355	21000	126000	29.7	54		
			400	39600	208000	30.8	56		
			450	40000	210000	33	60		
			500	62000	328000	35.2	64		

Minimum operating voltage for the separated trip-indicator: 20 V

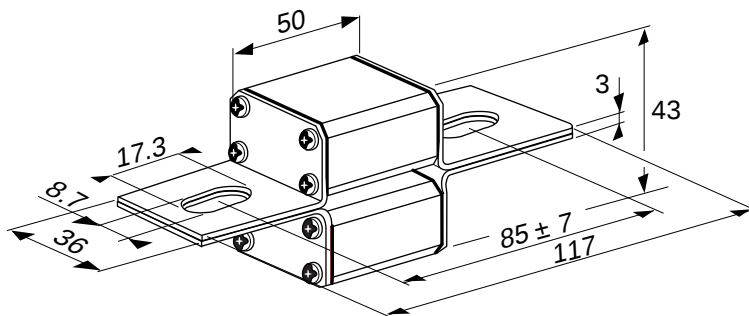
REFERENCES

BRITISH STANDARD WITHOUT BLOWN FUSE INDICATOR



Weight : 140 g
Packaging : 10 pieces

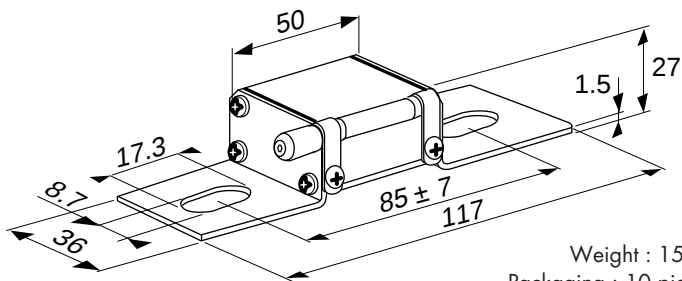
Current rating	Code	Part #
50	6,6 gRB 000 BS88Z/050	V 330137
65	6,6 gRB 000 BS88Z/065	W 330138
75	6,6 URC 000 BS88Z/075	X 330139
85	6,6 URC 000 BS88Z/085	Y 330140
90	6,6 URC 000 BS88Z/090	Z 330141
110	6,6 URC 000 BS88Z/110	A 330142
150	6,6 URC 000 BS88Z/150	B 330143
180	6,6 URC 000 BS88Z/180	C 330144
200	6,6 URD 000 BS88Z/200	D 330145
250	6,6 URD 000 BS88Z/250	E 330146
280	6,6 URC 000 BS88Z/280	F 330147



Weight : 280 g
Packaging : 10 pieces

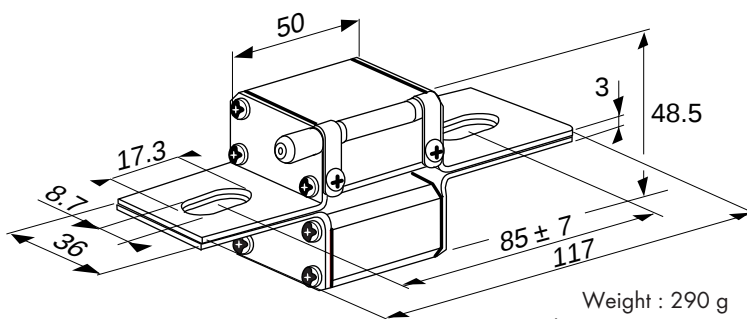
175	6,6 URC 2000 BS88Z/175	P 330155
200	6,6 URC 2000 BS88Z/200	Q 330156
235	6,6 URC 2000 BS88Z/235	R 330157
300	6,6 URC 2000 BS88Z/300	S 330158
325	6,6 URC 2000 BS88Z/325	T 330159
355	6,6 URC 2000 BS88Z/355	V 330160
400	6,6 URD 2000 BS88Z/400	W 330161
450	6,6 URC 2000 BS88Z/450	X 330162
500	6,6 URD 2000 BS88Z/500	Y 330163

BRITISH STANDARD WITH SEPARATED BLOWN FUSE TRIP-INDICATOR



Weight : 150 g
Packaging : 10 pieces

Current rating	Code	Part #
90	6,6 URC 000 BS88ZP/090	G 330148
110	6,6 URC 000 BS88ZP/110	H 330149
150	6,6 URC 000 BS88ZP/150	J 330150
180	6,6 URC 000 BS88ZP/180	K 330151
200	6,6 URD 000 BS88ZP/200	L 330152
250	6,6 URD 000 BS88ZP/250	M 330153
280	6,6 URC 000 BS88ZP/280	N 330154

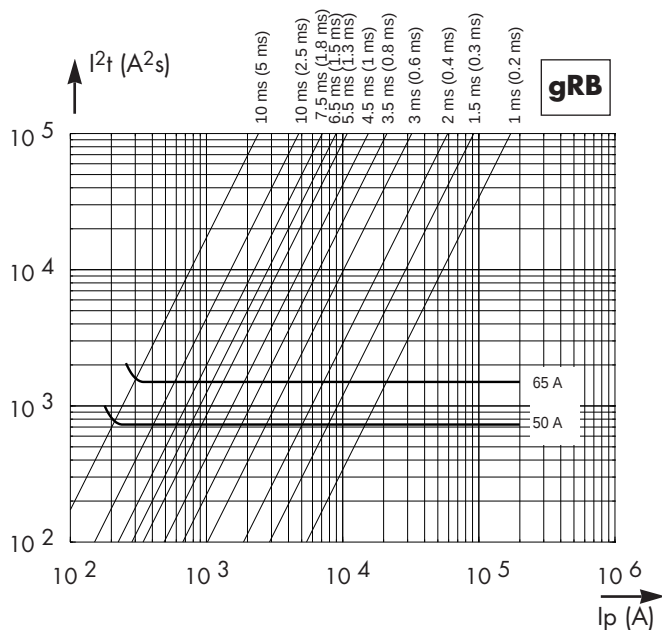


Weight : 290 g
Packaging : 10 pieces

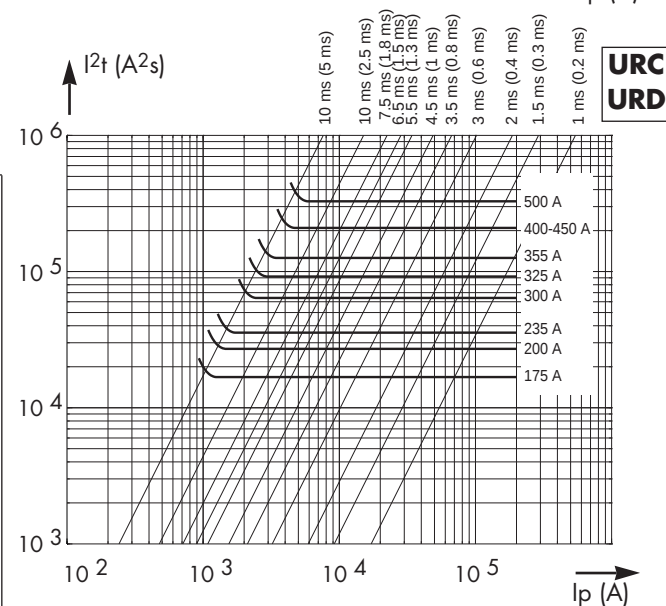
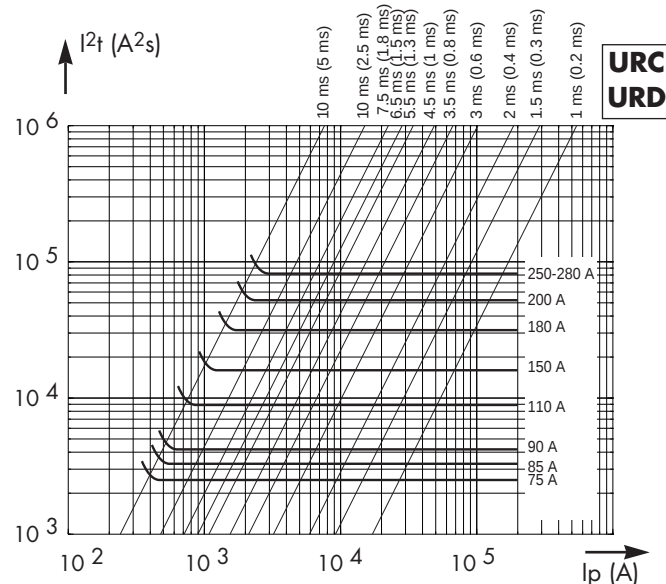
175	6,6 URC 2000 BS88ZP/175	Z 330164
200	6,6 URC 2000 BS88ZP/200	A330165
235	6,6 URC 2000 BS88ZP/235	B 330166
300	6,6 URC 2000 BS88ZP/300	C 330167
325	6,6 URC 2000 BS88ZP/325	D 330168
355	6,6 URC 2000 BS88ZP/355	E 330169
400	6,6 URC 2000 BS88ZP/400	F 330170
450	6,6 URC 2000 BS88ZP/450	G 330171
500	6,6 URC 2000 BS88ZP/500	H 330172

The use of a MC 6.3 GR 2-5N blown fuse remote sensing microswitch is possible. Part # : Y 310015. mounted on the separated trip-indicator.
Consult data sheet 31xxx GB

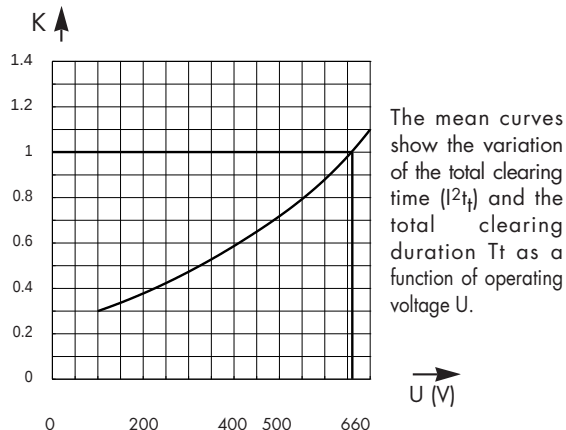
Total clearing I^2t



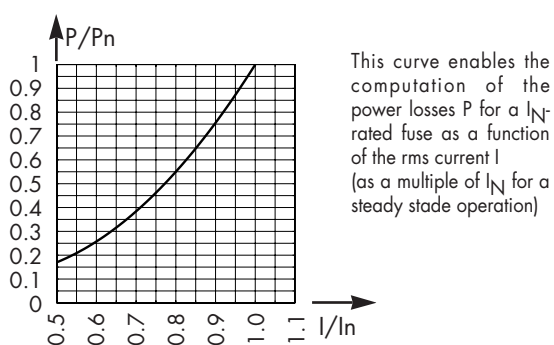
The flat curves show for each rated current the maximum values of total clearing I^2t (I^2t_t) as a function of a prospective current I_p . @ U_N with $\cos\phi = 0.15$. The crosswise lines indicate the total clearing duration T_t and the associated pre-arcing duration in brackets.



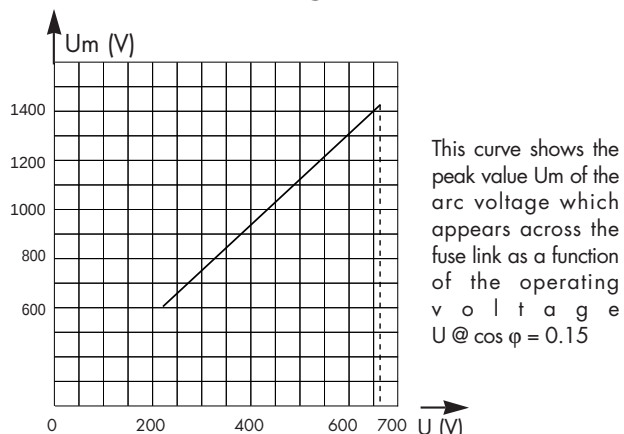
I^2t corrective factor



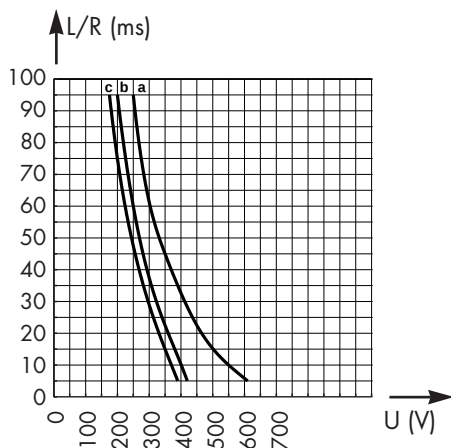
Watt losses



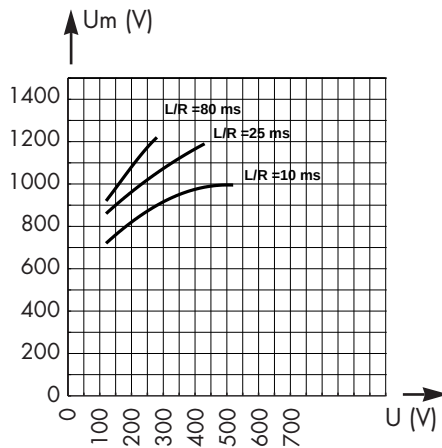
Peak arc voltage



D.C. Applications data



These curves indicate the permissible value of time constant L/R as a function of the D.C. working voltage.
 Curve a: for ratings from 175 to 300 A
 Curve b: for 325 A rating
 Curve c: for ratings from 355 to 500 A



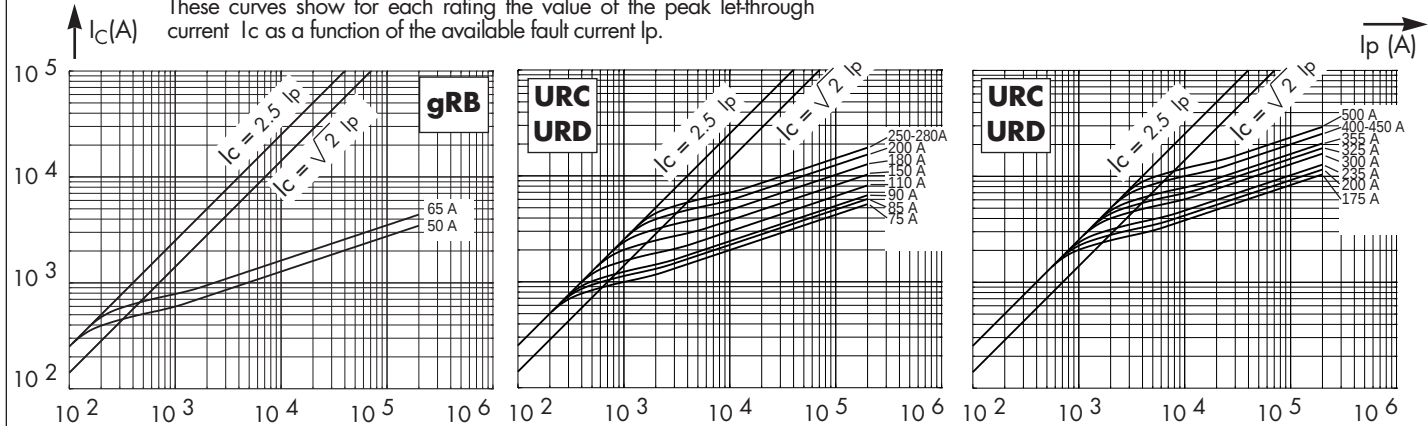
This curve indicates the peak arc voltage U_m which may appear across the fuse terminals at working voltage U .

Rated current	Curve	I_{pm} (A)
50	a	150
65	a	200
75	a	270
85	a	350
90	a	370
110	a	500
150	a	700
180	b	1200
200	c	1800
250	c	2200
280	c	2200
175	a	740
200	a	870
235	a	1000
300	a	1400
325	b	1900
355	b	2400
400	c	3600
450	c	4400
500	c	4400

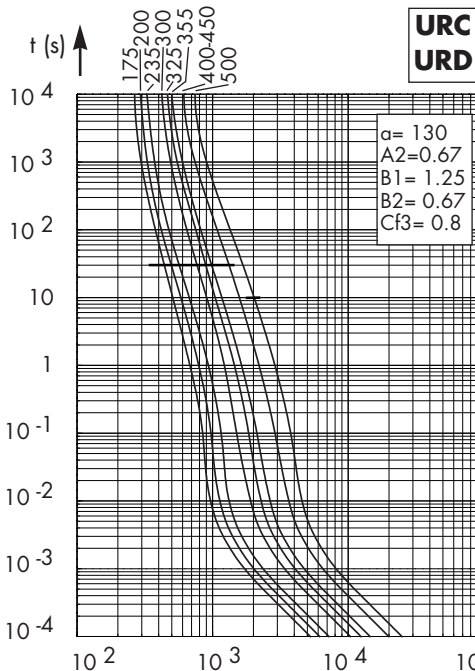
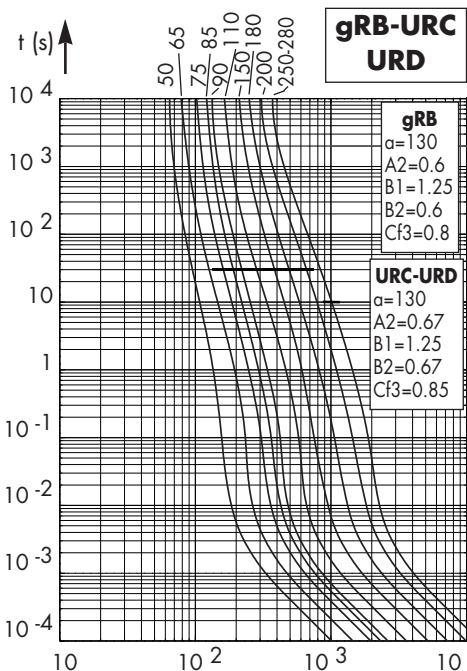
The I_{pm} values give the minimum DC interrupting current in amps.

Current limitation curves

These curves show for each rating the value of the peak let-through current I_c as a function of the available fault current I_p .



Time 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 $\pm 8\%$.

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N° Identification CEE : FR 429 555 11 217

Publication: H600399-11/96
 CP3P1 / 3P1 31007 GB
 RA 0240 B