



600 V AC
URD - from 0.10 up to 0.80 A**
500 V AC
URB - URD - URL from 1 up to 30 A
Size: 10x38

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

500 - 600 V AC VOLTAGE RATING

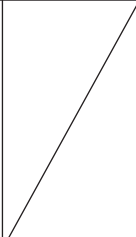
αR-CLASS ACCORDING TO VDE 636-23 AND IEC 269.4

WITHOUT BLOWN FUSE INDICATION ACCORDING TO
NF C 63210 AND 63211 - 0.10 up to 0.80 A**

WITH BUILT-IN TRIP-INDICATOR (1 up to 30 A) FERRAZ
SPECIALTY*



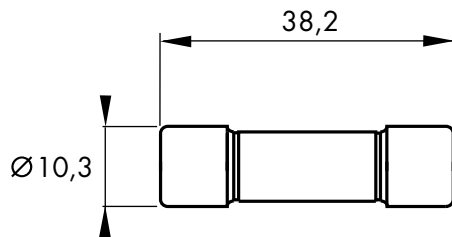
MAIN CHARACTERISTICS

Voltage rating U_N (V AC)	Class	Current rating I_N (A)	Pre-arcing $I^2_t @ 1 \text{ ms}$ I^2_{tp} (A ² s)	Total clearing $I^2_t @ U_N$ I^2_{tt} (A ² s)	Watt losses		Tested interrupting rating
					0.8 I_N	I_N	
600 V without blown fuse indication 	URD **	100 mA		1.2 10 ⁻³	0.23	0.4	200 kA @ 600 V
		125 mA		2.3 10 ⁻³	0.25	0.44	
		160 mA		5.2 10 ⁻³	0.28	0.48	
		200 mA		8 10 ⁻³	0.34	0.58	
		250 mA		18 10 ⁻³	0.35	0.60	
		315 mA		33 10 ⁻³	0.42	0.73	
		400 mA		56 10 ⁻³	0.46	0.80	
		500 mA		0.100	0.46	0.80	
		630 mA		0.18	0.52	0.90	
		800 mA		0.44	0.58	1	
500 V with trip-indicator	URD	1 A	0.49	1.3	0.4	0.7	50 kA @ 500 V
		1.25 A	0.13	1.7	0.52	0.91	
		1.6 A	0.31	2.2	0.58	1	
		2 A	0.65	3.1	0.63	1.1	
		2.5 A	1.65	5.9	0.63	1.1	
		3.15 A	2.80	9	0.86	1.5	
		4 A	5.30	16	1.1	1.8	
		5 A	12.7	36	1.1	1.8	
	URB	6 A	1.3	47	0.73	1.35	50 kA @ 500 V
		8 A	2.3	80	0.83	1.55	
		10 A	3.6	110	1	1.9	
		12 A	5.25	150	1.3	2.3	
		16 A	9.30	200	1.7	3.1	
		20 A	16	290	1.7	3.2	
	URL	25 A	37	580	2.9	4.25	50 kA @ 500 V
		30 A	58	900	3.5	5.1	

* minimum operating voltage for trip-indicator: 20 V

** higher ratings 1 to 30 A see A070 gRB 30 T13 - Publication F 600190

10.3x38 - Without blown fuse indicator

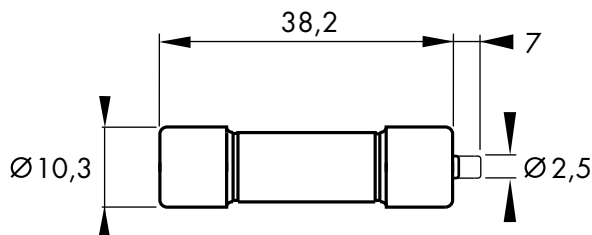


Current Rating	Code	Part #
100 mA	A 060 URD 0.100 T13	H 077632
125 mA	A 060 URD 0.125 T13	J 077633
160 mA	A 060 URD 0.160 T13	K 077634
200 mA	A 060 URD 0.200 T13	L 077635
250 mA	A 060 URD 0.250 T13	M 077636
315 mA	A 060 URD 0.315 T13	N 077637
400 mA	A 060 URD 0.400 T13	P 077638
500 mA	A 060 URD 0.500 T13*	Q 077639
630 mA	A 060 URD 0.630 T13*	R 077640
800 mA	A 060 URD 0.800 T13*	S 077641

Fuses, mounted in clips or fuse disconnectors ST
see data sheets part #s N 600 312 - F 600282

* UL Recognized 

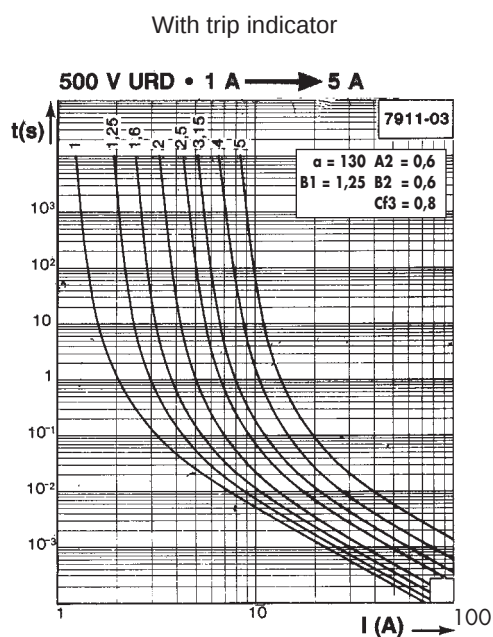
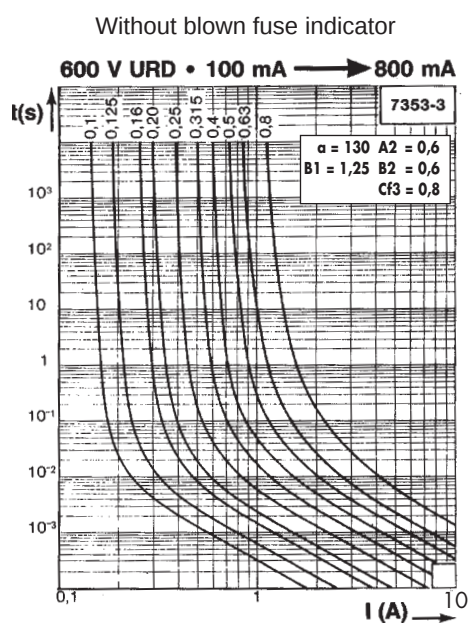
10.3x38 - With blown fuse trip-indicator



Current Rating	Code	Part #
1 A	A 050 URD 001 T13 I	P 076925
1.25 A	A 050 URD 001.2 T13 I	H 076597
1.6 A	A 050 URD 001.6 T13 I	G 076596
2 A	A 050 URD 002 T13 I	Q 076926
2.5 A	A 050 URD 002.5 T13 I	F 076595
3.15 A	A 050 URD 003 T13 I	R 076927
4 A	A 050 URD 004 T13 I	S 076928
5 A	A 050 URD 005 T13 I	T 076929
6 A	A 050 URB 006 T13 I	V 076930
8 A	A 050 URB 008 T13 I	W 076931
10 A	A 050 URB 010 T13 I	X 076932
12 A	A 050 URB 012 T13 I	Y 076933
16 A	A 050 URB 016 T13 I	Z 076034
20 A	A 050 URB 020 T13 I	A 076935
25 A	A 050 URL 025 T13 I	B 076936
30 A	A 050 URL 030 T13 I	C 076937

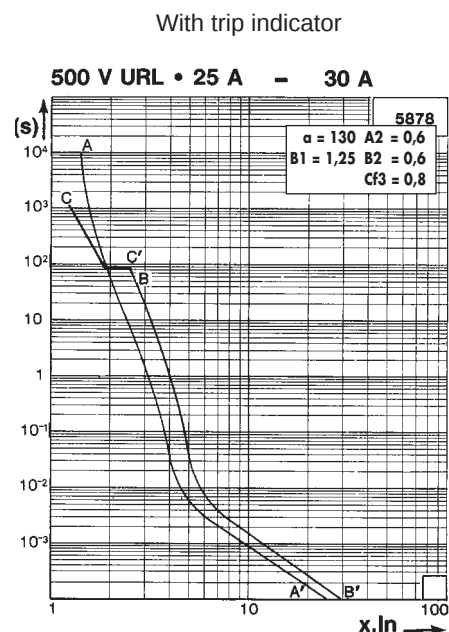
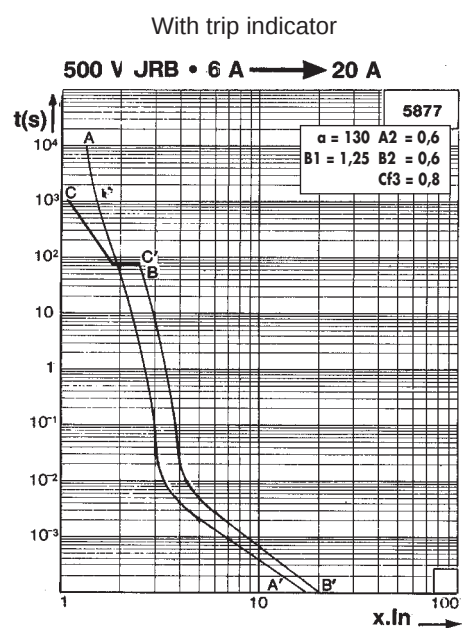
Fuses with trip indicator mounted in clips - see data sheet part # N 600 312

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 $\pm 10\%$

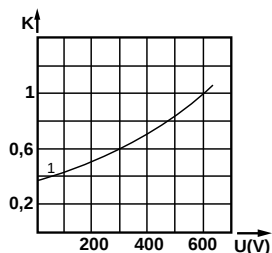


These curves indicate, for each rated current, the pre-arcing time vs. the R.M.S. pre-arcing current as a multiple of the current rating.

Corrective factor - Peak arc voltage

Corrective factor

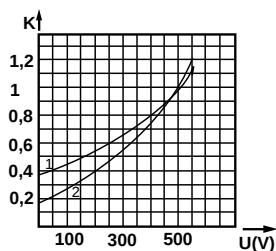
Peak arc voltage



600 V UR

1 : 0.1 up to 0.8 A

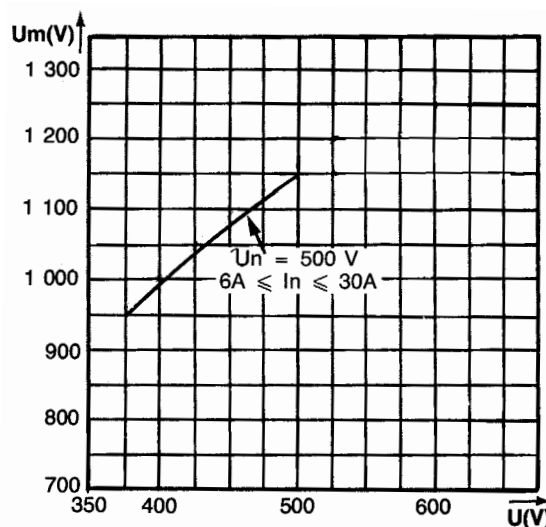
These mean curves show the variation of the total clearing time ($I^2 t_t$) and the total clearing duration t_t as a function of operating voltage U .



500 V UR

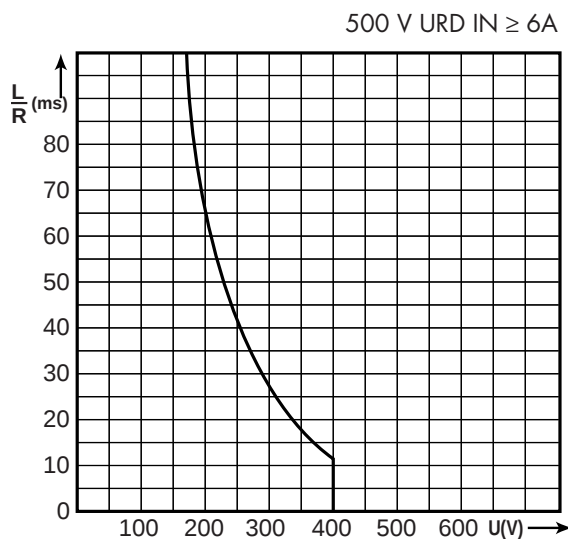
1 : 1 up to 5 A

2 : 6 up to 30 A

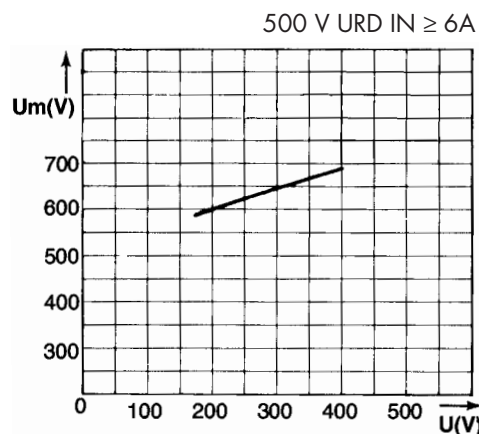


This curve shows the peak value U_m of the arc voltage which appears across the fuse link as a function of the operating voltage U @ $\cos \varphi = 0.15$.

D.C. Applications data for trip indicator fuses



This curve indicates the permissible value of time constant L/R as a function of the D.C. working 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 .

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