

URB/URD/URL

SEMICONDUCTOR PROTECTION FUSES



PROTISTOR® FUSES

600V AC URD from 0.10 up to 0.80A**

500V AC URB/URD/URL from 1 up to 30A

SIZE: 10 X 38

Features/Benefits

- **Extremely high Interrupting rating Fuses:**
Protection of power Semiconductors according to IEC 269.1 and 4
- **500-600V AC Voltage Rating**
- **aR 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 0.80A**
- **With built in Trip-Indicator** (1 up to 30A)
Ferraz Specialty*



APPLICATIONS DATA

Voltage rating U_N (VAC)	Class	Current rating I_N (A)	Melting $I_t^2 @ 1 \text{ ms}$ $I_t^2_p$ (A ² s)	Total clearing $I_t^2 @ U_N$ I_t^2 (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	
	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

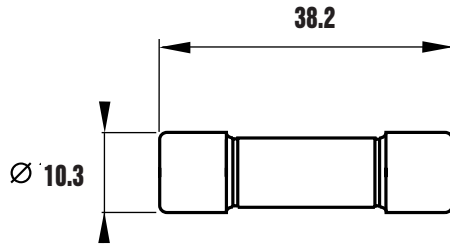
** higher ratings 1 to 30 A see A070 gRB 30 T13

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SEMICONDUCTOR PROTECTION FUSES

PART NUMBERS

10.3x38 - Without blown fuse indicator

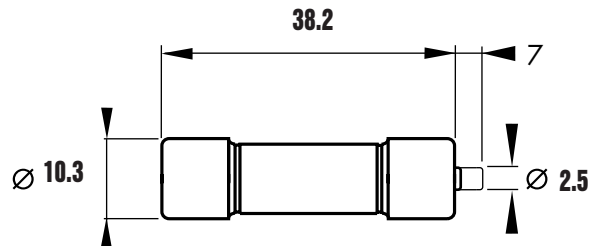


CURRENT RATING	CATALOG NO.	REF #
100 mA	A 060 URD 0.100 T13	H077632
125 mA	A 060 URD 0.125 T13	J077633
160 mA	A 060 URD 0.160 T13	K077634
200 mA	A 060 URD 0.200 T13	L077635
250 mA	A 060 URD 0.250 T13	M077636
315 mA	A 060 URD 0.315 T13	N077637
400 mA	A 060 URD 0.400 T13	P077638
500 mA	A 060 URD 0.500 T13*	Q077639
630 mA	A 060 URD 0.630 T13*	R077640
800 mA	A 060 URD 0.800 T13*	S077641

* UL Recognized



10.3x38 - With blown fuse trip-indicator



CURRENT RATING	CATALOG NO.	PART #
1A	A 050 URD 001 T13 I	P076925
1.25A	A 050 URD 001.2 T13 I	H076597
1.6A	A 050 URD 001.6 T13 I	G076596
2A	A 050 URD 002 T13 I	Q076926
2.5A	A 050 URD 002.5 T13 I	F076595
3.15A	A 050 URD 003 T13 I	R076927
4A	A 050 URD 004 T13 I	S076928
5A	A 050 URD 005 T13 I	T076929
6A	A 050 URB 006 T13 I	V076930
8A	A 050 URB 008 T13 I	W076931
10A	A 050 URB 010 T13 I	X076932
12A	A 050 URB 012 T13 I	Y076933
16A	A 050 URB 016 T13 I	Z076034
20A	A 050 URB 020 T13 I	A076935
25A	A 050 URL 025 T13 I	B076936
30A	A 050 URL 030 T13 I	C076937