

**PROTISTOR® FUSES****660V****URE/URS/URT from 5 to 160A****SIZES: 10 X 51 - 17 X 49 - 2 X 17 X 49****Features/Benefits**

- **Extremely high Interrupting rating Fuses:**
Protection of power Semiconductors according to IEC 269.1 and 4
- **660V Voltage Rating** according to IEC 33
- **gR Class** (Ratings from 50 to 350A URGG - 300 to 700A URGH) according to VDE 636-23 and IEC 269.4
- **aR Class** (Ratings from 400 to 525A URGG - 800 to 1050A URGH) according to VDE 636-23 and IEC 269.4
- Two models complying with BS 88-4
 - without indicator
 - with external trip-indicator

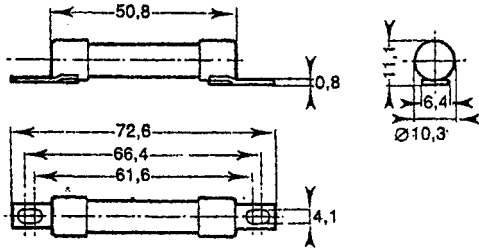
APPLICATIONS DATA

Voltage rating U_N (V)	Size	Class	Current rating I_N (A)	Melting $I^2_t @ 1 \text{ ms}$ I^2_{tp} (A ² s)	Total clearing $I^2_t @ U_N$ A ² s		Watt losses		Tested interrupting rating
					$I_p \leq 50 I_N$	$I_p > 50 I_N$	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		

Minimum operating voltage for all trip indicators = 20V

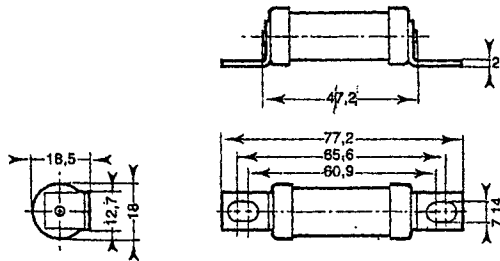
URE/URS/URT SEMICONDUCTOR PROTECTION FUSES

CP 10x51 - Without trip-indicator



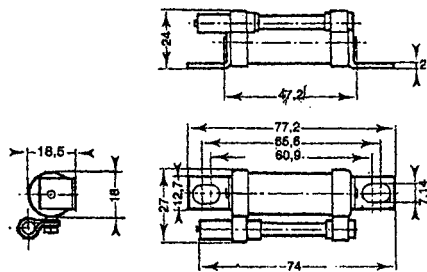
SIZE	CATALOG NO.	REF #
10x51	6,6URE10/5	D082458
	6,6URE10/6	X097057
	6,6URE10/10	C082457
	6,6URE10/12	Z079059
	6,6URE10/15	B082456
	6,6URE10/20	A082456

CP 17x49 - Without trip-indicator



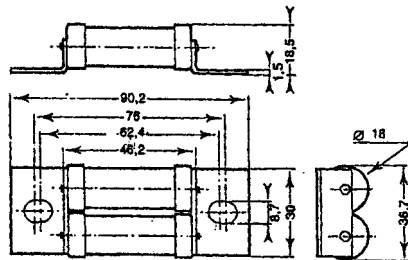
SIZE	CATALOG NO.	REF #
17x49	6,6URS17/16	G075883
	6,6URS17/20	H075884
	6,6URS17/25	J075885
	6,6URS17/32	K075886
	6,6URS17/35	L075887
	6,6URS17/40	M075888
	6,6URS17/45	N075889
	6,6URS17/50	P075890
	6,6URS17/55	Q075891
	6,6URS17/63	R075892
	6,6URS17/75	S075893
	6,6URS17/80	T075894

CP 17x49 - Without trip-indicator with built-in trip-indicator



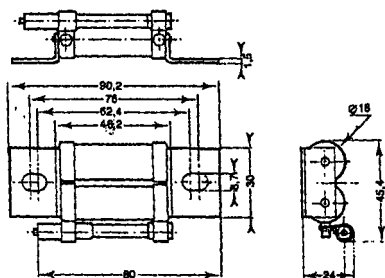
SIZE	CATALOG NO.	REF #
17x49	6,6URS17P16	V075895
	6,6URS17P20	W075896
	6,6URS17P25	X075897
	6,6URS17P32	Y075898
	6,6URS17P35	Z075899
	6,6URS17P40	A075900
	6,6URS17P45	B075901
	6,6URS17P50	K081084
	6,6URS17P55	C075902
	6,6URS17P63	D075903
	6,6URS17P75	E075904
	6,6URS17P80	F075905

CP 17x49 - Without built-in trip-indicator



SIZE	CATALOG NO.	REF #
2x17x49	6,6URT217/65	G075906
	6,6URT217/75	F099572
	6,6URT217/85	H075907
	6,6URT217/90	A099958
	6,6URT217/110	B099959
	6,6URT217/140	J075908
	6,6URT217/150	C099960
	6,6URT217/160	K075909

CP 2x17x49 - With built-in trip-indicator

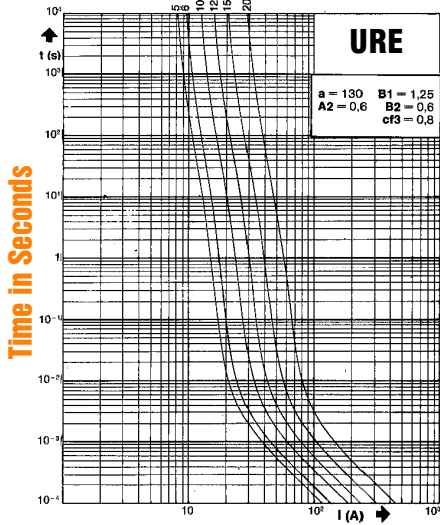


SIZE	CATALOG NO.	REF #
2x17x49	6,6URT217P65	L075910
	6,6URT217P75	M075911
	6,6URT217P85	M075912
	6,6URT217P90	P075913
	6,6URT217P110	Q075914
	6,6URT217P140	R075915
	6,6URT217P150	S075916
	6,6URT217P160	T075917

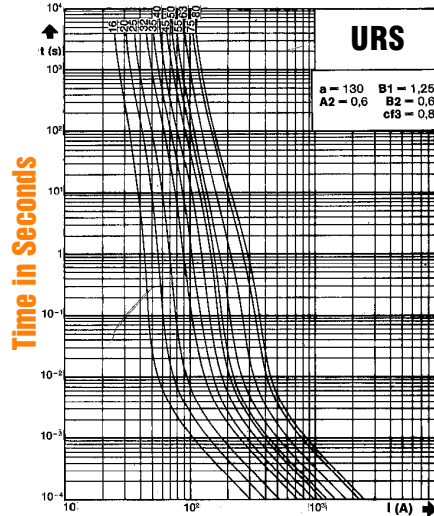
Microswitch MC6,3 GR 2-5N : Reference Number Y310015



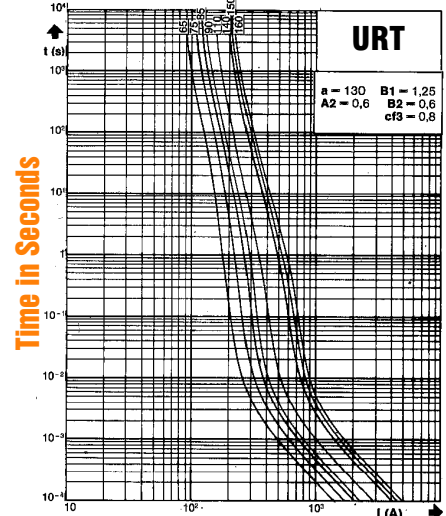
Melting Time - Current Data



Current in Amperes



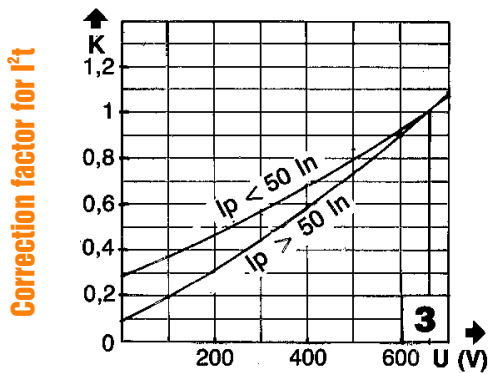
Current in Amperes



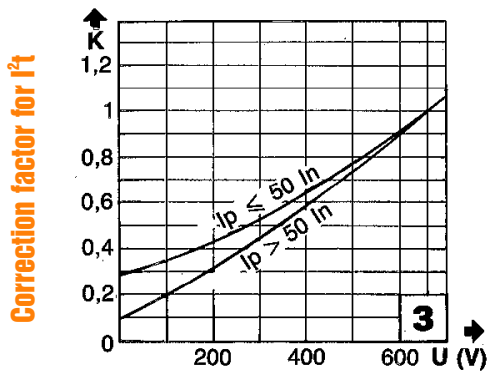
Current in Amperes

• These curves indicate, for each rated current, the pre-arching time vs. the R.M.S. current.

Clearing I^2t vs. Operating Voltage



URE

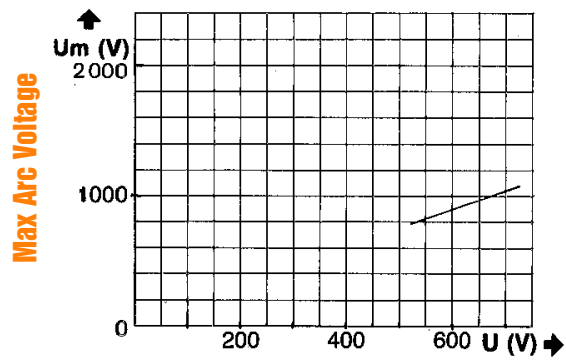


URS
URT

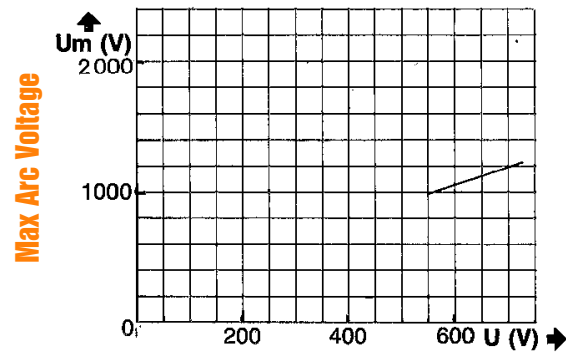
Operating Voltage

Correction Factor to determine the clearing I^2t value for a fuse operating below its rated voltage.

Maximum Arc Voltage vs. Applied Voltage



Max Arc Voltage



Max Arc Voltage

System Voltage

Determines the peak arc voltage across the fuse terminals as a function of applied voltage.