

# Semiconductor (AC) fuses

## Other Protistor® Fuses

### Ferrule Fuses

## 27x60 URGD - 600 V to 690 VAC



EXTREMELY BREAKING CAPACITY RATING FUSES:  
PROTECTION OF POWER SEMICONDUCTORS ACCORDING TO  
IEC STANDARD 60269.1 AND 4

600 V - 690 V AC VOLTAGE RATING

aR- CLASS ACCORDING TO VDE 636-23 AND IEC 60269.4

## Main Characteristics

Voltage rating $U_N$ ( VAC )	Class	Current rating $I_N$ ( A )	Pre-arcing $i^2t @ 1 ms$ $I^2t_p$ ( A <sup>2</sup> s )	Total clearing $I^2t$ $I^2t_t$ ( A <sup>2</sup> s )	Watts loss		Tested Breaking capacity
					0.8 $I_N$	$I_N$	
690 V	URGD	63	405	1840 @ 660 V	12	22	200 kA @ 690 V
		80	860	3750 @ 660 V	13.5	24.6	
		100	1620	6800 @ 660 V	15	27	
		125	3425	13600 @ 660 V	16	29.5	
		160	6480	24600 @ 660 V	17	32.5	
		200	13700	61500 @ 660 V	18.5	35.7	
600 V	URGD	250	29600	107000 @ 600 V	21	40	200 kA @ 600 V

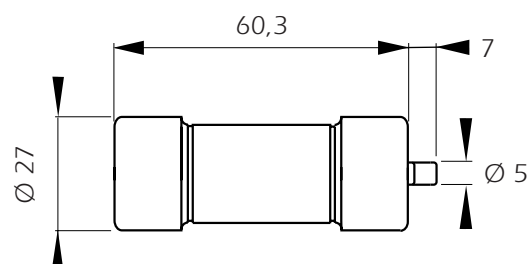
Minimum operating voltage for trip-indicator: 20 V

## Ref. Numbers

### 27x60 - With trip-indicator

Type	Voltage	Current rating	Designation	Ref. Number	Catalog Number
URGD	690 V	63 A	6.921 CP URGD 27x60/ 63	A076820	FR27UD69V63T
		80 A	6.921 CP URGD 27x60/ 80	B076821	FR27UD69V80T
		100 A	6.921 CP URGD 27x60/100	C076822	FR27UD69V100T
		125 A	6.921 CP URGD 27x60/125	D076823	FR27UD69V125T
		160 A	6.921 CP URGD 27x60/160	E076824	FR27UD69V160T
		200 A	6.921 CP URGD 27x60/200	F076825	FR27UD69V200T
URGD	600 V	250 A	621 CP URGD 27x60/250	W076264	FR27UD60V250T

Fuseholder Solution: See Gears and Fuse gears section





## Other Protistor® Fuses

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### 27x60 URQ/URS/URB - 690 V to 1000 VAC

#### 27x60 - With trip-indicator

 Except 125 and 160A URS

Type	Voltage	Current rating	Designation	Ref. Number	Catalog Number
URQ	690 V	50 A	6.921 CP URQ 27x60/ 50	N075958	FR27UQ69V50T
		63 A	6.921 CP URQ 27x60/ 63	V076309	FR27UQ69V63T
		80 A	6.921 CP URQ 27x60/ 80	W076310	FR27UQ69V80T
		100 A	6.921 CP URQ 27x60/100	R078330	FR27UQ69V100T
		125 A	6.921 CP URQ 27x60/125	S078331	FR27UQ69V125T
		160 A	6.921 CP URQ 27x60/160	X076311	FR27UQ69V160T
		200 A	6.921 CP URQ 27x60/200	T078332	FR27UQ69V200T
URS	690 V	125 A	6.921 CP URS 27x60/125	P209865	FR27US69V125T
		160 A	6.921 CP URS 27x60/160	Q209866	FR27US69V160T
URB	1000 V	32 A	1021 CP URB 27x60/ 32	S081298	FR27UB10C32T
		40 A	1021 CP URB 27x60/ 40	R081297	FR27UB10C40T
		50 A	1021 CP URB 27x60/ 50	Q081296	FR27UB10C50T
		63 A	1021 CP URB 27x60/ 63	P081295	FR27UB10C63T
		80 A	1021 CP URB 27x60/ 80	N081294	FR27UB10C80T
		100 A	1021 CP URB 27x60/100	M081293	FR27UB10C100T
		125 A	1021 CP URB 27x60/125	L081292	FR27UB10C125T
		160 A	1021 CP URB 27x60/160	K081291	FR27UB10C160T
		170 A	1021 CP URB 27x60/170	Z080338	FR27UB10C170T

