

# Protistor<sup>®</sup> size 27x60 aR (URGD)

600VAC to 690VAC

## SEMICONDUCTOR PROTECTION FUSES

### IEC HIGH-SPEED CYLINDRICAL FUSE-LINKS AC PROTECTION



Extremely high breaking capacity fuses:  
Protection of power semiconductors  
Complying with standard IEC 60269-1 and -4  
600-690VAC voltage rating  
aR class according to IEC 60269-4 and VDE 636-23

## TECHNICAL DATA OVERVIEW

Voltage Range AC	600 ... 690 VAC
Ampere Range (A)	63 ... 250 A
Speed/Characteristic	aR
I.R. AC (IEC)	200 kA
Product Size	27x60

## FEATURES & BENEFITS

- Extremely breaking capacity rating fuses

## APPLICATIONS

- Protection of power semiconductors

## STANDARDS

- VDE 636-23
- IEC 60269.1
- IEC 60269.4

MERSEN reserves the right to change, update or correct, without notice, any information contained in this datasheet.

# Protistor® size 27x60 aR (URGD)

600VAC to 690VAC

## PRODUCT RANGE

### Size 27x60 aR (URGD) 600 to 690VAC with trip-indicator

Catalog number	Item number	Size	Rated voltage AC (IEC)	Rated voltage AC (UL)	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Rated breaking capacity AC	Power dissipation at I <sub>n</sub>	Design	Operating I <sup>2</sup> t at Rated Voltage	Weight	Package
FR27UD69V63T	A076820	27x60	690 V	1 kV	63	405 A <sup>2</sup> s	200 kA	22 W	URGD	1840 A <sup>2</sup> s	80 g	1
FR27UD69V80T	B076821	27x60	690 V	-	80	860 A <sup>2</sup> s	200 kA	24.6 W	URGD	3750 A <sup>2</sup> s	80 g	-
FR27UD69V100T	C076822	27x60	690 V	-	100	1620 A <sup>2</sup> s	200 kA	27 W	URGD	6800 A <sup>2</sup> s	80 g	-
FR27UD69V125T	D076823	27x60	690 V	-	125	3425 A <sup>2</sup> s	200 kA	29.9 W	URGD	13600 A <sup>2</sup> s	80 g	-
FR27UD69V160T	E076824	27x60	690 V	-	160	6480 A <sup>2</sup> s	200 kA	32.5 W	URGD	24600 A <sup>2</sup> s	80 g	-
FR27UD69V200T	F076825	27x60	690 V	-	200	13700 A <sup>2</sup> s	200 kA	35.7 W	URGD	61500 A <sup>2</sup> s	80 g	-
FR27UD60V250T	W076264	27x60	600 V	-	250	29600 A <sup>2</sup> s	200 kA	40 W	URGD	107000 A <sup>2</sup> s	80 g	-

MERSEN reserves the right to change, update or correct, without notice, any information contained in this datasheet.