

Protistor® size 14x51 gR (GRC-URC)

690VAC

IEC High-Speed Cylindrical Fuse-Links AC Protection

These Protistor (r) size 14x51 have been design to protect power semi conductors, complying with standard IEC 60269-1 and -4. They are extremely high interrupting rating fuses : 600-690V voltage, with large band of ratings (current rating 1 to 63A).

Two models are existing, as per NF C 63210 and 63211 : with or without trip-indicator.



Standards

IEC 60269-1

IEC 60269-4

VDE 636-23

UL Recognized (1 to 50 A)




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Product range

Size 14x51 gR 690VAC with trip-indicator



Catalog number	Reference number	Size	Rated voltage AC (IEC)	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I_n	Design	Weight	Package
FR14GC69V1T	F221081	14x51	690 V	1 A	0.8 A ² s	3.5 A ² s	100 kA	0.35 W	gRC	19 g	10
FR14GC69V2T	L081476	14x51	690 V	2 A	1.5 A ² s	6.7 A ² s	100 kA	0.6 W	gRC	19 g	10
FR14GC69V4T	F081517	14x51	690 V	4 A	7.2 A ² s	33 A ² s	100 kA	1.4 W	gRC	19 g	10
FR14GC69V6T	B220939	14x51	690 V	6 A	1.4 A ² s	19 A ² s	100 kA	2.5 W	gRC	19 g	10
FR14GC69V8T	A220938	14x51	690 V	8 A	2.4 A ² s	30 A ² s	100 kA	3 W	gRC	19 g	10
FR14GC69V10T	Z220937	14x51	690 V	10 A	4.3 A ² s	44 A ² s	100 kA	3.3 W	gRC	19 g	10
FR14GC69V12T	Y220936	14x51	690 V	12 A	5.4 A ² s	65 A ² s	100 kA	4.25 W	gRC	19 g	10
FR14GC69V16T	X220935	14x51	690 V	16 A	13 A ² s	110 A ² s	100 kA	4.8 W	gRC	19 g	10
FR14GC69V20T	W220934	14x51	690 V	20 A	27 A ² s	175 A ² s	100 kA	5.25 W	gRC	19 g	10
FR14GC69V25T	V220933	14x51	690 V	25 A	53 A ² s	300 A ² s	100 kA	5.8 W	gRC	19 g	10
FR14GC69V32T	V220818	14x51	690 V	32 A	97 A ² s	550 A ² s	100 kA	7 W	gRC	19 g	10
FR14GC69V40T	M220949	14x51	690 V	40 A	210 A ² s	1210 A ² s	100 kA	8.8 W	gRC	19 g	10
FR14GC69V50T	N220950	14x51	690 V	50 A	390 A ² s	2250 A ² s	100 kA	10 W	gRC	19 g	10
FR14UC60V63T	V220910	14x51	600 V	63 A	440 A ² s	2200 A ² s	100 kA	16 W	URC	19 g	10

Size 14x51 gR 690VAC without trip-indicator



Catalog number	Reference number	Size	Rated voltage AC (IEC)	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I_n	Design	Weight	Package
FR14GC69V1	E221080	14x51	690 V	1 A	0.31 A ² s	1.4 A ² s	100 kA	0.35 W	gRC	19 g	10
FR14GC69V2	H081473	14x51	690 V	2 A	1 A ² s	4.3 A ² s	100 kA	0.6 W	gRC	19 g	10
FR14GC69V4	J081474	14x51	690 V	4 A	6.7 A ² s	30 A ² s	100 kA	1.4 W	gRC	19 g	10
FR14GC69V6	T220909	14x51	690 V	6 A	1.4 A ² s	19 A ² s	100 kA	2.5 W	gRC	19 g	10
FR14GC69V8	S220908	14x51	690 V	8 A	2.4 A ² s	30 A ² s	100 kA	3 W	gRC	19 g	10
FR14GC69V10	R220907	14x51	690 V	10 A	4.3 A ² s	44 A ² s	100 kA	3.3 W	gRC	19 g	10
FR14GC69V12	Q220906	14x51	690 V	12 A	5.4 A ² s	65 A ² s	100 kA	4.25 W	gRC	19 g	10
FR14GC69V16	P220905	14x51	690 V	16 A	13 A ² s	110 A ² s	100 kA	4.8 W	gRC	19 g	10
FR14GC69V20	E220735	14x51	690 V	20 A	27 A ² s	175 A ² s	100 kA	5.25 W	gRC	19 g	10
FR14GC69V25	N220904	14x51	690 V	25 A	53 A ² s	300 A ² s	100 kA	5.8 W	gRC	19 g	10
FR14GC69V32	W220819	14x51	690 V	32 A	97 A ² s	550 A ² s	100 kA	7 W	gRC	19 g	10
FR14GC69V40	M220903	14x51	690 V	40 A	210 A ² s	1210 A ² s	100 kA	8.8 W	gRC	19 g	10
FR14GC69V50	L220902	14x51	690 V	50 A	390 A ² s	2250 A ² s	100 kA	10 W	gRC	19 g	10

$I(A)$

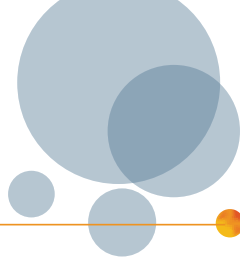
$t(s)$

$I_p(A)$

$I_c(A)$

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690VAC



$U(V)$

K

$I_p(A)$

$I^2t (A^2s)$