PROTISTOR

A070gRB SEMICONDUCTOR PROTECTION FUSES

The A070gRB is a fast acting, full range 10x38 fuse utilized in the protection of inverters, UPS and other discrete semi-conductor devices

Features/Benefits

- **International** 10 X 38 mm (1 1/2 X 13/32) size for woldwide acceptance
- **Ferrule mount** 1 to 30A for design versatility
- **Low I²t** for improved semiconductor protection
- **gR Class** according to VDE 636-23 and IEC 269.4

Ratings

- **AC:** 1-30A 160kA, 700V
- **DC:** 550VDC, L/R = 10mS

Approvals

- UL Recognized Component
- IEC 269-4 Compliance
- AC: Guide No. JFHR2

HIGHLIGHTS:

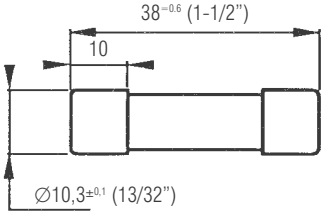
- Extremely Fast Acting
- Current Limiting
- Low I^2t
- Excellent Cycling Capability
- gR

APPLICATIONS:

- Protection of small inverters, UPS systems, motor drives and similar 700v or less equipment

Without trip-indicator

Max. weight 10g



Note: Fuses bear European and American references.

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BODY SIZE (mm)	AMPERE RATING	RATED VOLTAGE (VAC)	Melting I^2t (A^2s)	Total I^2t @ Rated Voltage (A^2s)	WATTS LOSS @ 80% RATED CURRENT (W)	WATTS LOSS @ 100% RATED CURRENT	CATALOG NUMBER	REFERENCE NUMBER
10 X 38	1	700	0.066	0.32	0.57	1	A070GRB01T13	W330000
	1.25		0.115	0.4	0.7	1.25	A070GRB1.25T13	X330001
	1.5		0.185	0.63	0.81	1.5	A070GRB1.5T13	Y330002
	2		0.42	1.43	1.1	2	A070GRB2T13	Z330003
	2.5		0.88	3	1.15	2.1	A070GRB02.5T13	A330004
	3		1.55	5.1	1.25	2.3	A070GRB03T13	B330005
	4		4	13.2	1.35	2.6	A070GRB04T13	C330006
	5		8.6	27.5	1.4	2.7	A070GRB05T13	D330007
	6		15	48.5	1.5	2.9	A070GRB06T13	E330008
	8		3.3	36.3	1.35	2.4	A070GRB08T13	F330009
	10		5.4	60.5	1.85	3.4	A070GRB10T13	G330010
	12.5		8.5	90.2	1.9	3.4	A070GRB12.5T13	H330011
	16		16	160	2.3	4.1	A070GRB16T13	J330012
	20		30	275	2.4	4.3	A070GRB1.20T13	K330013
	25		58	520	2.7	4.7	A070GRB25T13	L330014
	30		96	815	2.9	5	A070GRB30T13	M330015

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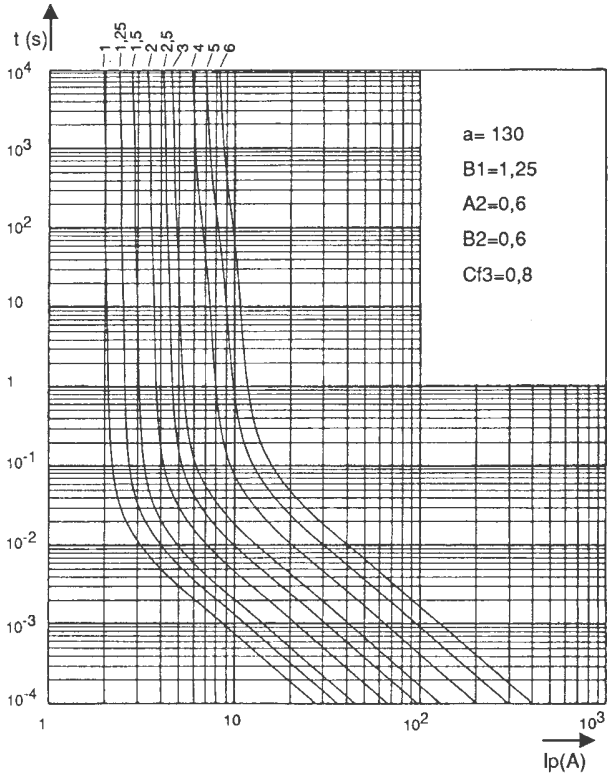
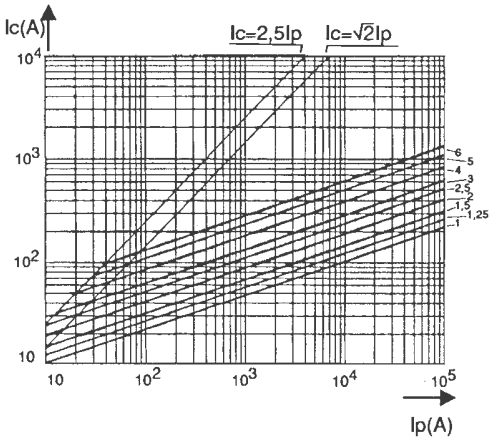
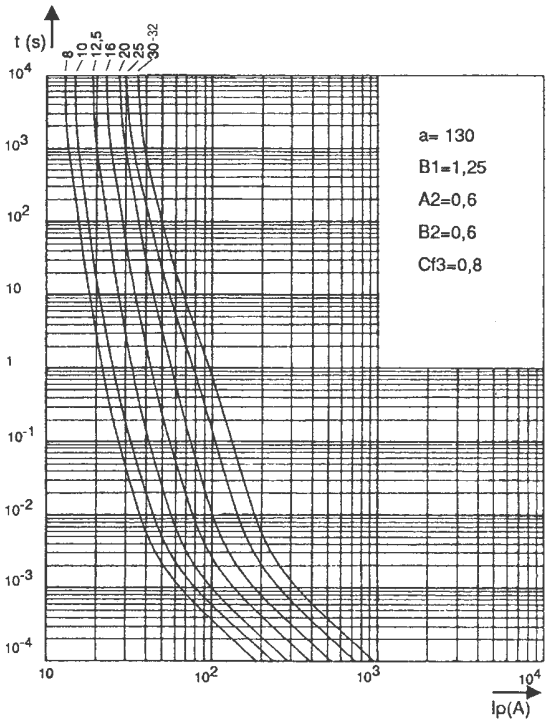
Melting Time Current Data (1 to 6A)



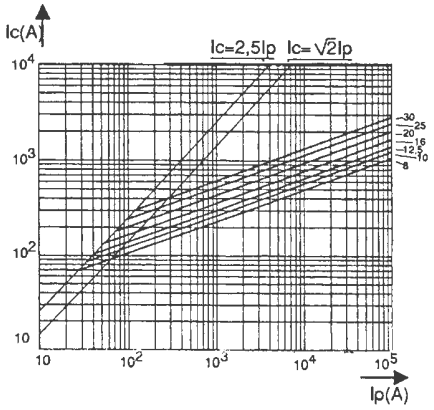
Peak Let Thru Current Data (1 to 6A)



Melting Time - Current Data (8 to 30A)



Peak Let Thru Current Data (8 to 30A)

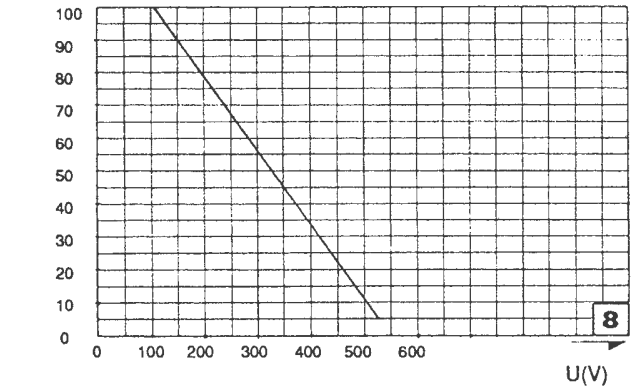


AMP-TRAP®–Form 101

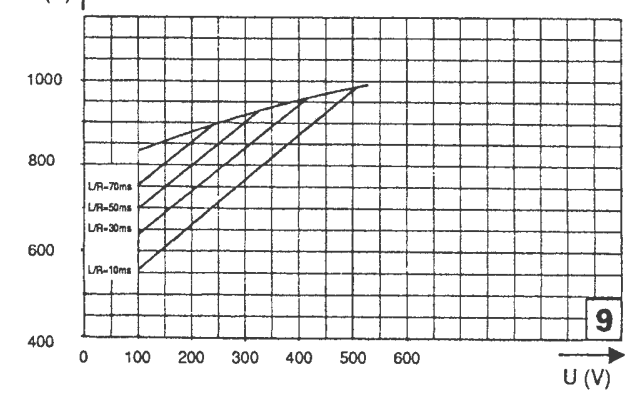
A70gRB

SEMICONDUCTOR PROTECTION FUSES

DC Voltage Capability vs. Time Constant

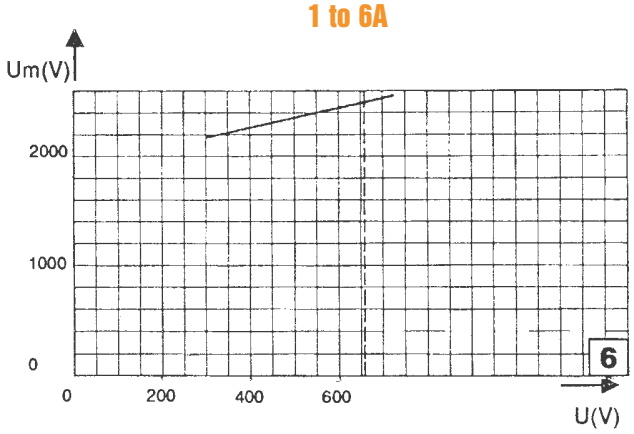


DC Peak Arc Voltage

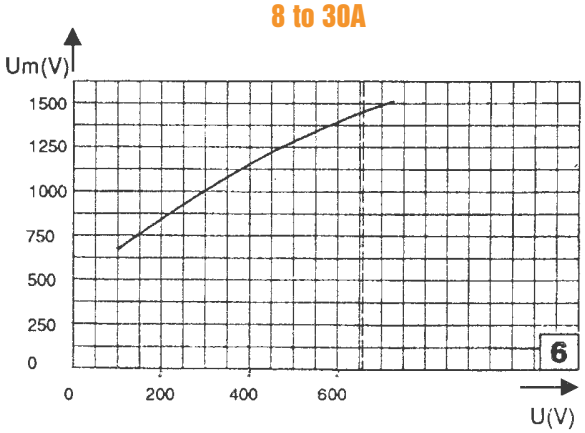


Maximum Arc Volts vs. System Voltage

1 to 6A

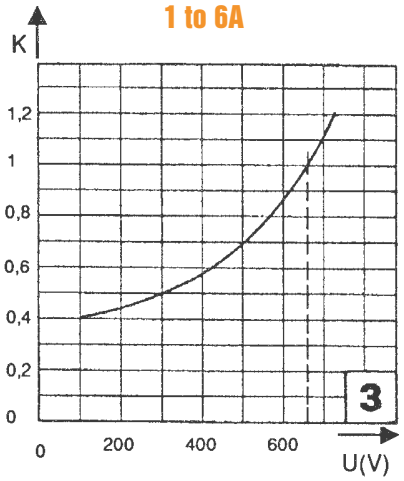


8 to 30A

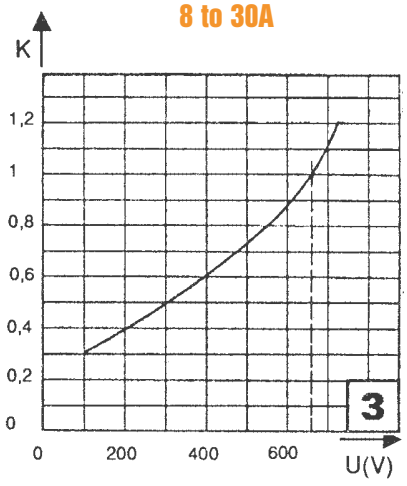


Clearing I²t vs. AC operating voltage

1 to 6A



8 to 30A



Correction factor to determine clearing I²t of a fuse below its related voltage.