

Semiconductor & Special Protection

PROTISTOR® Cylindrical fuse links 10x38 gR 690VAC from 1 to 32A



The 10x38 gR cylindrical is a fast acting, full range fuse used in the protection of inverters, UPS, variable speed drives and other discrete semiconductor devices.

Approvals

UL/CSA Recognized Component
RoHS Compliant

AC: UL Guide No. E76491
IEC 60269-4 Compliance



Application

Protection of small inverters, UPS systems, motor drives and similar 700V or less equipment.

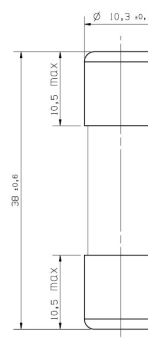
Features & Benefits

International 10 x 38 mm (1-1/2" x 13/32")
for worldwide acceptance

gR Class according to VDE 636-23 and IEC 60269-4
690VAC IEC 60269-4 and 700VAC UL Recognized
500VDC: 1 to 32A, L/R = 10ms

Extremely fast acting
Eliminate all overloads
Current limiting
Low I²t for improved semiconductor protection
Excellent cycling capability

Rated Voltage (V)	Nominal Current (A)	Class	Catalog Number	Reference Number
690	1	gR	FR10GR69V1	L1014563
690	1.25	gR	FR10GR69V1.25	N1014565
690	1.5	gR	FR10GR69V1.5	P1014566
690	2	gR	FR10GR69V2	Q1014567
690	2.5	gR	FR10GR69V2.5	T1014570
690	3	gR	FR10GR69V3	V1014571
690	4	gR	FR10GR69V4	W1014572
690	5	gR	FR10GR69V5	X1014573
690	6	gR	FR10GR69V6	Y1014574
690	8	gR	FR10GR69V8	Z1014575
690	10	gR	FR10GR69V10	A1014576
690	12.5	gR	FR10GR69V12.5	C1014578
690	16	gR	FR10GR69V16	D1014579
690	20	gR	FR10GR69V20	E1014580
690	25	gR	FR10GR69V25	F1014581
690	30	gR	FR10GR69V30	G1014582
690	32	gR	FR10GR69V32	H1014583



Related products

Fuse holders Modulostar® CMS 10

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Rated Voltage (V)	Nominal Current (A)	Breaking capacity (A)	Pre-arcing I ² t at Rated Voltage (A ² s)	Clearing I ² t at Rated Voltage (A ² s)	Watts Loss at 100% In (W)	Watts Loss at 80% In (W)	Catalog Number	Reference Number
690	1	160kA	0.17	0.48	0.8	0.4	FR10GR69V1	L1014563
690	1.25	160kA	0.18	0.55	1.5	0.8	FR10GR69V1.25	N1014565
690	1.5	160kA	0.31	0.80	1.2	0.6	FR10GR69V1.5	P1014566
690	2	160kA	0.94	2.5	1.3	0.7	FR10GR69V2	Q1014567
690	2.5	160kA	1.65	4.5	1.4	0.8	FR10GR69V2.5	T1014570
690	3	160kA	2.83	7.8	1.5	0.9	FR10GR69V3	V1014571
690	4	160kA	6.7	12	1.7	1.0	FR10GR69V4	W1014572
690	5	160kA	7.5	30	0.9	0.6	FR10GR69V5	X1014573
690	6	160kA	8.5	40	1.4	0.8	FR10GR69V6	Y1014574
690	8	160kA	5.4	35	1.9	1.1	FR10GR69V8	Z1014575
690	10	160kA	6.7	55	2.1	1.2	FR10GR69V10	A1014576
690	12.5	160kA	11	90	2.8	1.3	FR10GR69V12.5	C1014578
690	16	160kA	19	140	3.0	1.7	FR10GR69V16	D1014579
690	20	160kA	39	245	3.7	2.1	FR10GR69V20	E1014580
690	25	160kA	69	425	4.3	2.4	FR10GR69V25	F1014581
690	30	160kA	107	675	4.8	2.7	FR10GR69V30	G1014582
690	32	160kA	154	945	5.1	2.8	FR10GR69V32	H1014583

Product weight: 10g max.

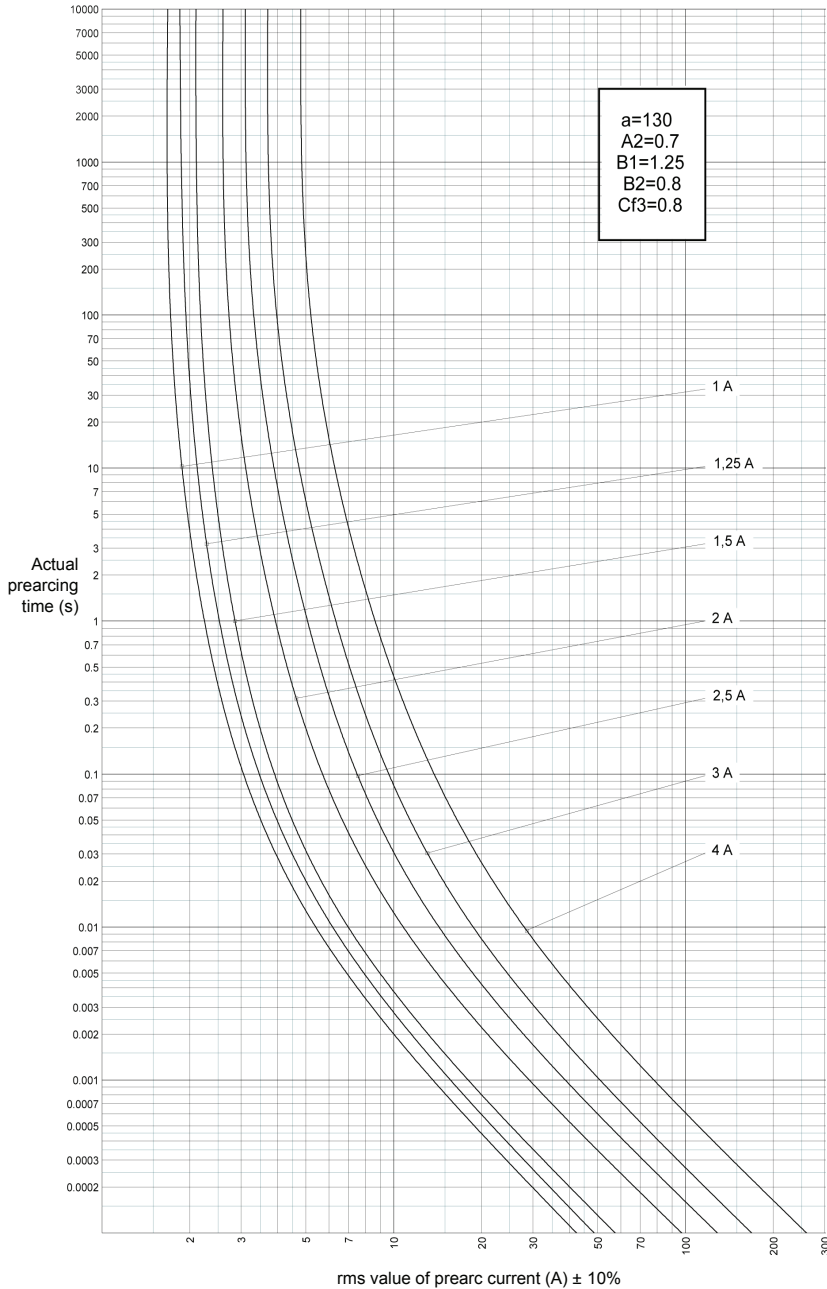
Packaging: 10 pieces

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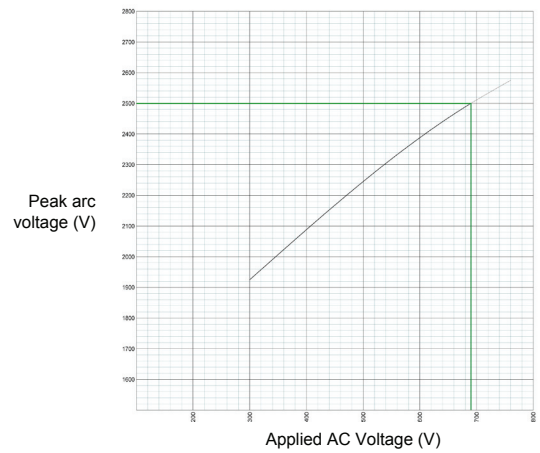
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Time current characteristics 1 to 4A



Peak arc voltage 1 to 4A



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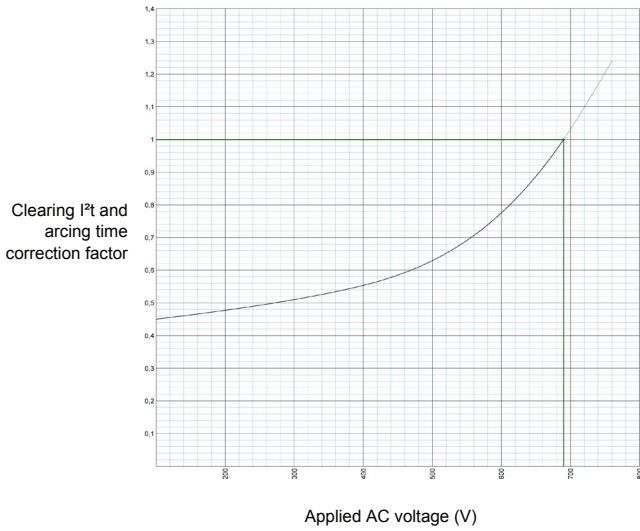


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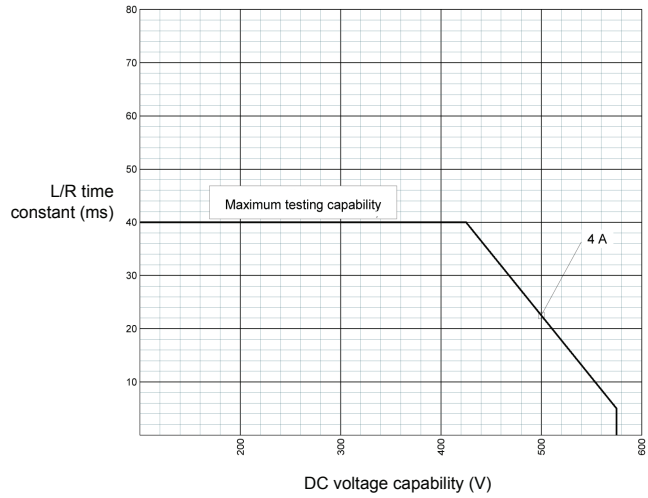
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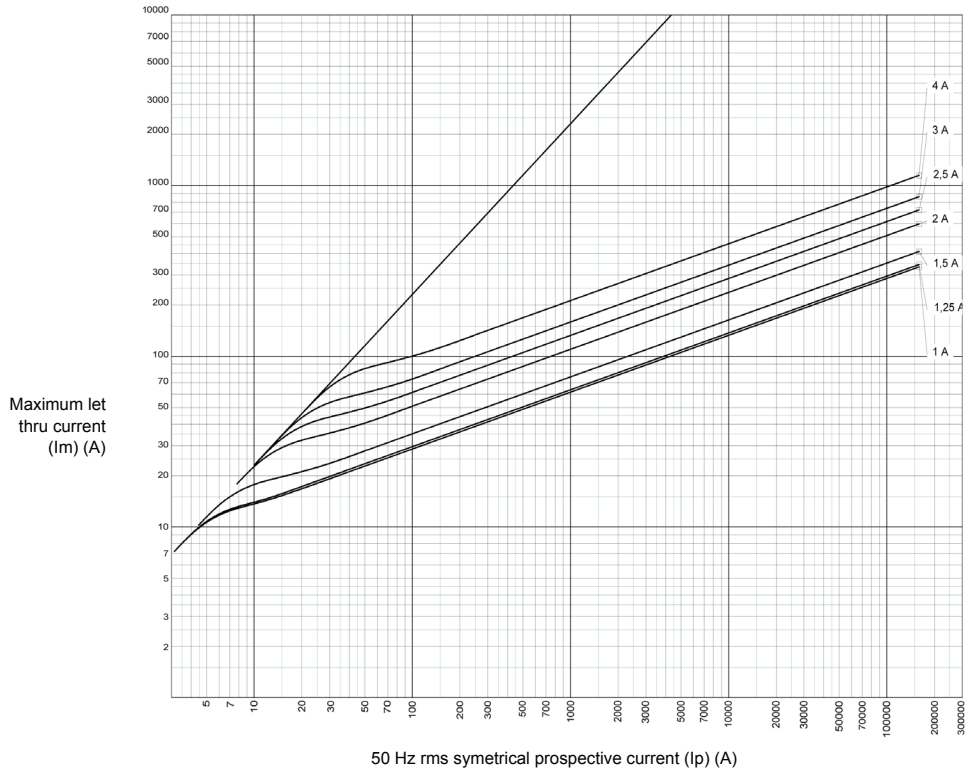
I²t multiplier coefficient 1 to 4A



L/R time constant vs DC voltage capability 1 to 4A



Peak let thru current characteristics 1 to 4A

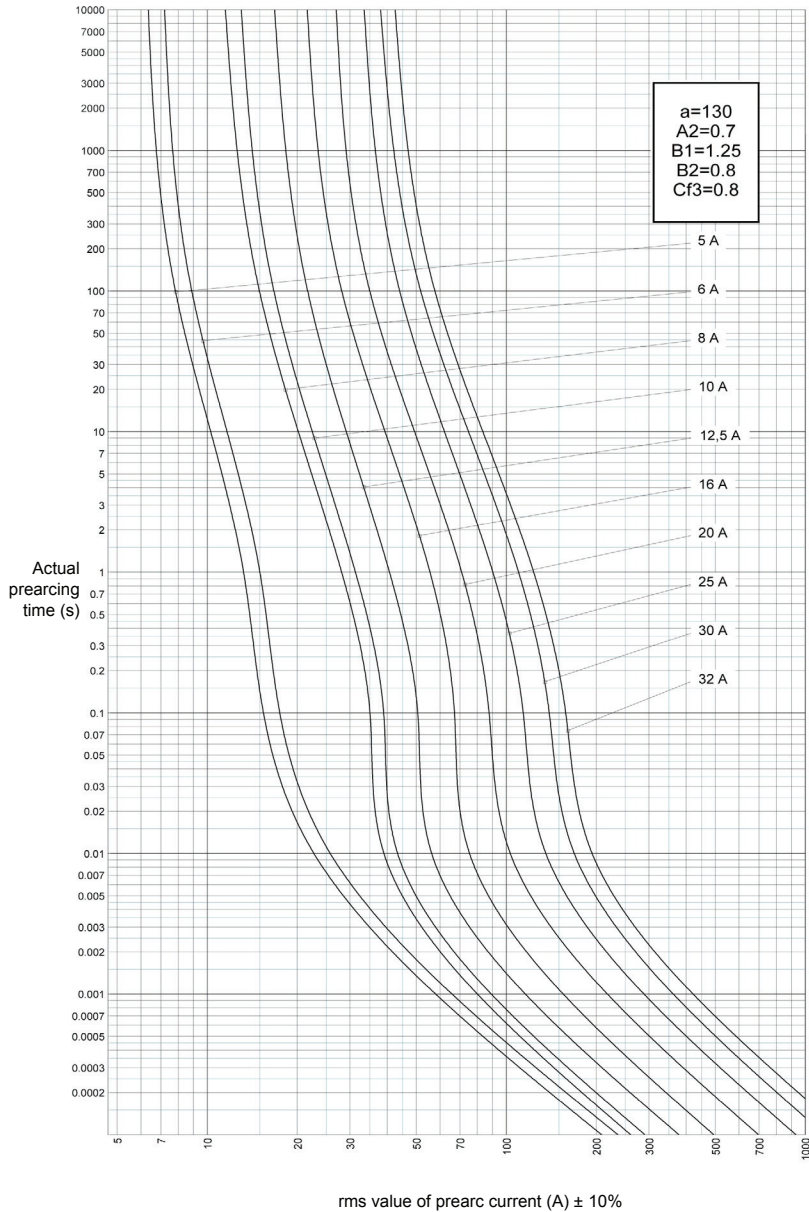


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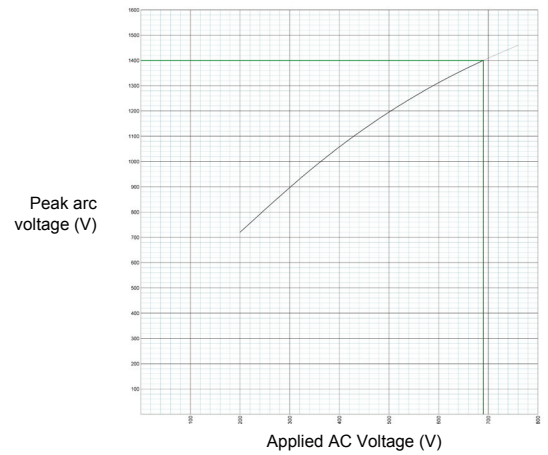
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Time current characteristics 5 to 32A



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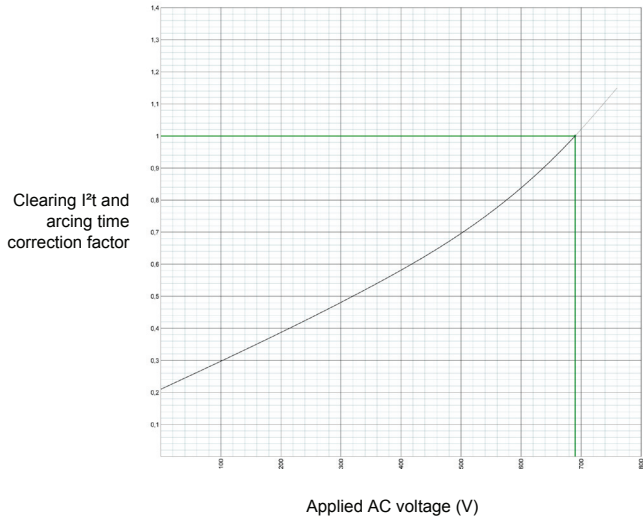


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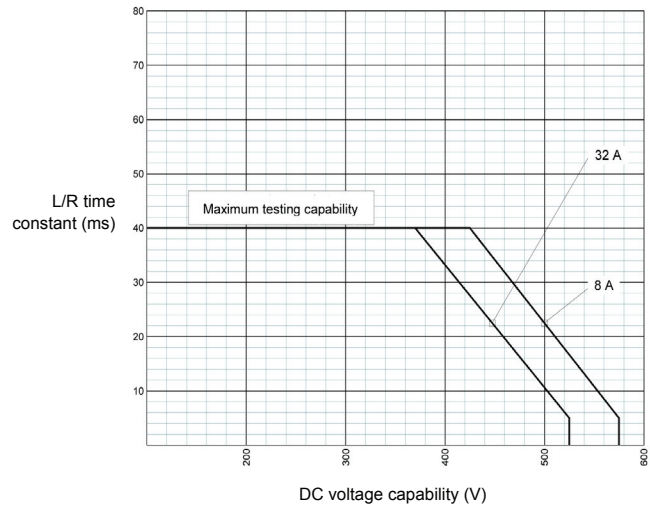
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