

G-Sicherungseinsätze
miniature fuse links

Sonderausführung (nicht genormt)
Special type (not standardized)

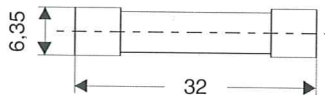
Keramikrohr (undurchsichtig)
ceramic tube (non-transparent)

T
träge
time-lag

Approbationen / approvals



verwechselbar
interchangeable



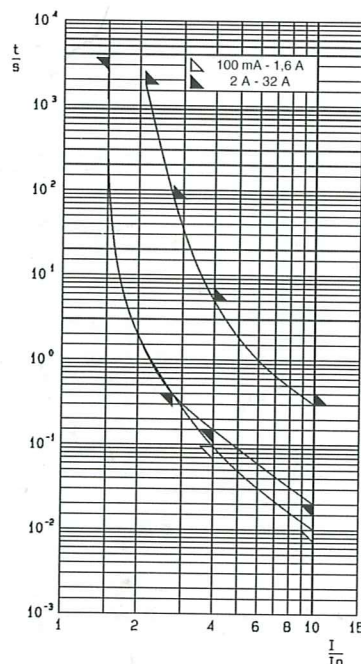
ELU Type
189 140

Art.-Nr.	Bemessungsstrom rated current	Spannungsabfall voltage drop mV max.	Schmelzintegral I ² t-value A ² s	Verlustleistung Power loss bei/at 1,5 x I _{rat} W	Bemessungs- ausschaltvermögen rated breaking capacity	Bemessungs- spannung rated voltage	Approbationen Approvals <small>UL-rec.</small>
	100 mA	3600	0,05	1,3			
	125 mA	3400	0,08	1,4			
	160 mA	3000	0,12	1,5			
	200 mA	2500	0,20	1,6			
	250 mA	2000	0,35	1,7			
	315 mA	1800	0,50	1,8			
	400 mA	1600	0,80	2,0			
	500 mA	450	0,32	0,6			
	630 mA	400	0,60	0,7	1500 A	10 kA	
	800 mA	350	1,0	0,8	500 V AC	bei / at	
	1 A	350	1,5	0,9	bei / at	440 V AC	
70 065 65	1,25 A	300	3,1	1,0	cos φ = 1,0	cos φ = 0,3	
	1,6 A	200	5,2	1,1		500 V	
	2 A	180	10	1,2			
	2,5 A	160	19	1,3			
	3,15 A	150	37	1,4			
	4 A	140	68	1,5			
	5 A	135	80	2,2			
	6,3 A	110	215	2,2			
	8 A*	110	370	2,6			
	10 A*	100	620	3,0			
	12,5 A*	100	1300	3,5			
	16 A*	100	2500	4,0			
	20 A*	100	3400	6,0	1500 A bei/at		
	25 A*	100	5600	8,0	440 V AC, cos φ = 1	440 V	
	32 A*	80	3900	10,0	1500 A bei/at	250 V	
					250 V AC, cos φ = 1		

* Bei Verwendung dieser G-Sicherungseinsätze ist auf ausreichende Wärmeabfuhr zu achten. / When using this type, consideration should be given to heat dissipation

Grenzwerte der Schmelzzeit / pre-arcing time limits

Bemessungsstrom rated current	1,5 I _{rat}	2,1 I _{rat}	2,75 I _{rat}	4 I _{rat}	10 I _{rat}
100 mA ... 1,6 A	> 1 h	< 30 min.	400ms ... 80 s	95 ms ... 5 s	10 ms ... 300 ms
2 A ... 32 A			150 ms ... 5 s	20 ms ... 300 ms	



Gewicht / weight: 0,24 kg/100

Verpackungseinheit / packing unit: 100 Stück/pcs.



111 S. KENNEDY
1285 Wall Whisman Road
Metville, New York 11747-31
(516) 271-6200
FAX No. (516) 271-8259/82
MCI Mail No. 255-3315
Telex No. 6852015



File E167295
Project 94ME51915

June 28, 1995

REPORT

on

COMPONENT FUSES - MISCELLANEOUS, MINIATURE, AND MICRO

SIPA Sicherungen-Bau GmbH
Lunen, Germany

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dedicated to public safety and
committed to quality service

DESCRIPTIONPRODUCT COVERED:

Component - Miniature Fuses; Cat. Nos. 70 followed by 065 63, followed by 1 to 6.3, Cat. Nos. 70 followed by 065 65, followed by 3.15 to 16, Cat. Nos. 70 followed by 007 65 by 8, or 10.

ELECTRICAL RATINGS:

<u>Catalog Number</u>	<u>Voltage Rating</u>	<u>Continuous Current Ratings Amperes Ratings of Range</u>
70 065 63	500 V ac/dc	1 to 6.3
70 007 65	250 V ac	8 to 10
* 70 065 65	500 V ac	3.15 to 16

INTERRUPTING RATINGS:

<u>Catalog Number</u>	<u>Maximum Interrupting Current</u>	<u>Voltage</u>	<u>Time Constant or Power Factor</u>
70 065 63	50,000 A	500 V ac	Resistive
	20,000 A	500 V dc	Resistive
70 007 65	4,000 A	250 V ac	Resistive
* 70 065 65	1,500 A	500 V ac	Resistive

MINIMUM BREAKING CAPACITY:

The Minimum Breaking Capacity Ratio, "MBC", of these fuses is reported below. This Ratio is the RMS available circuit current of the lowest overload circuit that is allowable for a particular fuse divided by the Current Rating of that particular fuse.

<u>Fuse Type</u>	<u>Minimum Breaking Capacity Ratio</u>
ALL	2.0

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

These products are intended for use in Listed or Recognized equipment, only where the acceptability of the application has been determined by Underwriters Laboratories Inc.

CONDITIONS OF ACCEPTABILITY:

1. Time Current Calibration Performance at 135 and 200 percent of rated current and temperature has not been determined.
2. Interrupting tests were performed with Resistive Circuits. These fuses can not be used in applications where there will be a substantial influence of circuit magnetic elements, unless additional short circuit tests are performed with circuits providing time constants or power factors representative of the application.

CONSTRUCTION DETAILS:

Description - It should be noted that all items are as described, except where otherwise specified. All dimensions reported are approximate except where noted as "min." or "max." All dimensions included in this report are in millimeters "mm" unless otherwise specified.

MARKING:

These fuses are marked with the name of the Recognized company, along with the catalog number designation. The electrical rating which includes the voltage and current rating, may also be provided. The catalog designation is permanently marked on the fuse. The current rating may be provided as part of the catalog designation, in the form of a numerical suffix. The voltage, and maximum interrupting ability must be marked on the fuse or on the smallest package.

