G-Sicherungseinsätze
miniature fuse links

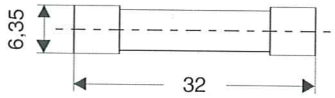
Sonderausführung (nicht genormt)
Special type (not standardized)

Keramikrohr (undurchsichtig)
ceramic tube (non-transparent)

T träge
time-lag

Approbationen / approvals

verwechselbar
interchangeable



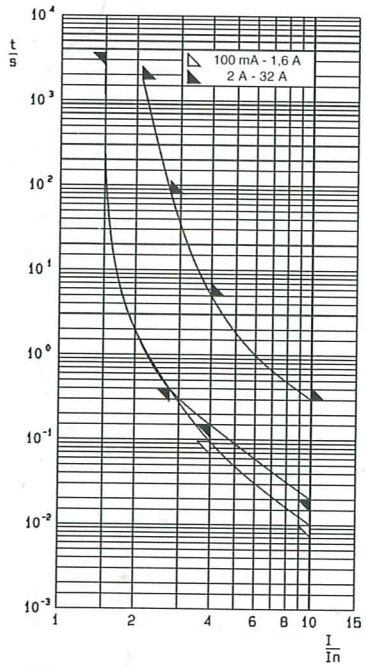
ELU Type
189 140

Art.-Nr.	Bemessungs-strom rated current	Spannungsabfall voltage drop **mV** max.	Schmelzintegral I^2t-value **A^2s**	Verlustleistung Power loss bei/at 1,5 x Irat **W**	Bemessungs-ausschaltvermögen rated breaking capacity	Bemessungs-spannung rated voltage	Approbationen Approvals UL rec.
	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	•
	1,25 A	300	3,1	1,0	cos φ = 1,0	cos φ = 0,3	•
70 065 65	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

Bemessungs-strom 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



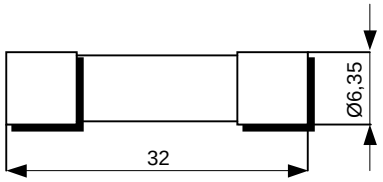
Gewicht / weight: 0,24 kg/100

Verpackungseinheit / packing unit: 100 Stück/pcs.

G-Sicherungseinsätze **Art.-Nr.** **189020**
Fuse-links **Type**

$U_{rat.}$: 500 V

Char.: F (flink/quick-acting)



Aufbau:
Design:

Keramikrohr, undurchsichtig
Ceramic tube, non transparent

Kontaktkappen, Messing vernickel
End caps, brass nickel-plated

Tabelle Elektrische Werte
Table of electrical values

Bemessungsstrom Rated current mA / A	Typ. Spannungsfall Typ. voltage drop mV	Typ. Verlustleistung Typ. Power loss bei/at 1,5 x I_{rat} [W]	Ausschaltvermögen Breaking capacity A	Schmelzintegral I^2t-value A^2s
3 A	280	2,9	H = 1500 A bei / at	6,6
7 A	150	3,8	500 V AC cos φ = 1	100

Grenzwerte der Schmelzzeit
Pre-arcing time limits:

1,5 x I_{rat}	2,1 x I_{rat}	2,75 x I_{rat}	4 x I_{rat}	10 x I_{rat}
> 1 h	< 30 min.	100 ms - 5 s	20 ms - 1 s	< 50 ms

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File E167295
Project 94ME51915

June 28, 1995

REPORT

on

COMPONENT FUSES - MISCELLANEOUS, MINIATURE, AND MICRO

SIBA Sicherungen-Bau GmbH
Lunen, Germany

Lib/E167295-PC

D E S C R I P T I O N

PRODUCT 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:

Catalog Number	Voltage Rating	Continuous Current Ratings Ampere Ratings of Range
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:

Catalog Number	Maximum Interrupting Current	Voltage	Time Constant or Power Factor
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.

Fuse Type	Minimum Breaking Capacity Ratio
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.

JDYX2 June 22, 1995
Component – Fuses, Miscellaneous, Miniature, and Micro

SIBA SICHERUNGEN-BAU GMBH E167295 (M)
POSTFACH 1940 , 44609 LUNEN FED REP
GERMANY

Miniature fuse.
Cat. No. 70 followed by 065 63, followed by 1 to 8.3; Cat. No. 70 followed by 065 65, followed by 3.15 to 16; Cat. No. 70 followed by 007 65, followed by 8, or 10.
Marking: Company name and catalog designation.

See General Information Preceding These Recognitions.

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Report: June 28, 1995.