

172322



IEC 60127-3 · 125 VAC/DC · Quick-Acting F



GAM
T1

Description

- High Breaking Capacity

Standards

- IEC 60127-3/2
- UL 248-14
- CSA C22.2 no. 248.14

Approvals

- UL File Number: E42088

References

- [General Product Information](#)
- Time-Current Curves see last page
- [Packaging Details](#)

Weblinks

Approvals: <http://www.schurter.com/approvals>
RoHS: <http://www.schurter.com/rohs>

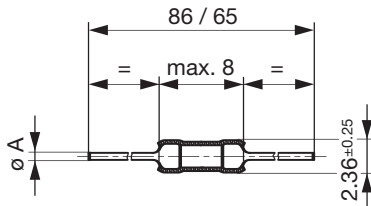
Technical Data

Rated Voltage	32 - 125 VAC/DC
Rated Current	0.063 - 15 A
Breaking Capacity	50 A - 300 A
Characteristic	Quick-Acting F
Admissible Ambient Air Temp.	-55 °C to 85 °C
Climatic Category	55/085/56 acc. to IEC 60068-1
Material: Tube	Ceramic
Material: Axial Leads	Tin-Plated Copper
Unit Weight	0.46 g
Stock Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Current Rating

Soldering Methods	Wave, Iron
Solderability	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb
Resistance to Soldering Heat	350 °C / 3.5 sec acc. to IEC 60068-2-58, Test Tb

Dimensions

Length | 86 mm



In ≤ 10 A: ØA = 0.62 mm
In > 10 A: ØA = 0.82 mm

Pre-Arcing Time

Rated Current In	1.0 x In min.	1.5 x In max.	2.0 x In max.	2.75 x In max.	4.0 x In max.	10.0 x In max.
0.063 A - 10 A	4 h	10 min	5 s	300 ms	30 ms	4 ms
12 A - 15 A	4 h	10 min	10 s	-	60 ms	-

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Variants

Order Number	Rated Current [A]	Rated Voltage [V]	Breaking Capacity	Voltage Drop 1.0 In typ [mV]	Power Dissipation 1.0 In typ [mW]	Melting I ² t 10.0 In typ [A ² s]			
7010.7010.xx	0.063	125	1)	1050	66	0.0008	●	●	●
7010.7020.xx	0.125	125	1)	900	115	0.0036	●	●	●
7010.7030.xx	0.25	125	1)	325	82	0.0094	●	●	●
7010.7040.xx	0.375	125	1)	245	92	0.019	●	●	●
7010.7050.xx	0.5	125	1)	260	130	0.07	●	●	●
7010.7060.xx	0.75	125	1)	245	185	0.18	●	●	●
7010.7070.xx	1	125	1)	210	210	0.3	●	●	●
7010.7080.xx	1.5	125	1)	230	345	0.38	●	●	●
7010.7090.xx	2	125	1)	190	380	1.1	●	●	●
7010.7100.xx	2.5	125	1)	175	440	1.4	●	●	●
7010.7110.xx	3	125	1)	170	510	2	●	●	●
7010.7180.xx	3.5	32	2)	160	560	2.6	●	●	●
7010.7120.xx	4	125	1)	180	720	4	●	●	●
7010.7130.xx	5	125	1)	170	850	6.2	●	●	●
7010.7140.xx	7	125	1)	135	945	13	●	●	●
7010.7150.xx	10	125	1)	130	1300	39	●	●	●
7010.7160.xx	12	32	2)	130	1450	57	●	●	●
7010.7170.xx	15	32	2)	120	1800	90	●	●	●

1) UL: 50 A @ 125 VAC, p.f. ≥ 0.95 / 300 A @ 125 VDC

1) CSA: 300 A @ 125 VAC/DC

2) UL: 50 A @ 32 VAC, p.f. ≥ 0.95 / 300 A @ 32 VDC

2) CSA: 300 A @ 32 VAC/DC

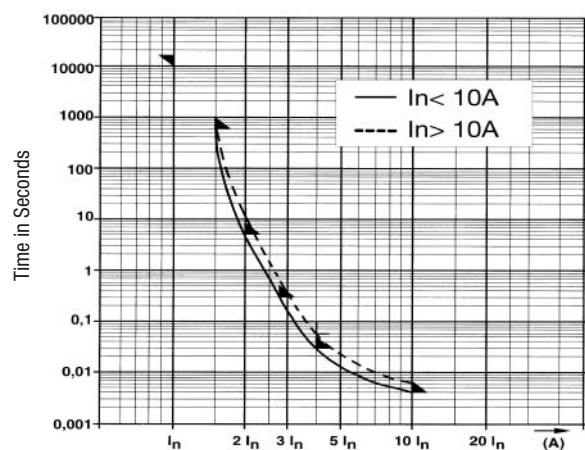
Packaging Unit

.13 Plastic Bag (100 pcs.)

.37 Taped 19 cm Reel, Fuse Length 65 mm (1500 pcs.)

.47 Taped 19 cm Reel, Fuse Length 86 mm (1500 pcs.)

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Multiple of Rated Current I_n