172876

Description Applications - High breaking capacity - Telecom - Directly solderable on printed circuit boards - Household appliances References Square Footprint Type Square Footprint Type MKF Corresponding Fuseholder 231786; 231787 Weblinks pdf data sheet, html datasheet, General Product Information, Distributor-Stock-Check, Detailed request for product Technical Data	UL 248-14 · 125 VAC · 1	25 VDC · Quick-Acting F	See below: Approvals and Compliances				
Square Footprint Type MKF Corresponding Fuseholder 231786; 231787 Weblinks pdf data sheet, html datasheet, General Product Information, Distributor-Stock-Check, Detailed request for product Technical Data	- High breaking capacity	ed circuit boards	- Telecom - Household appliances References Square Footprint Type MKF Corresponding Fuseholder 231786; 231787 Weblinks pdf data sheet, html datasheet, General Product Information, Distributor				
rdf data sheet, html datasheet, General Product Information, Distributor-Stock-Check, Detailed request for product Technical Data Rated Voltage 63 - 125 VAC, 65 - 125 VDC Soldering Methods Reflow, Wave Rated current 0.063 - 15 A Soldering Profile Breaking Capacity 300 A Solderability 235 °C / 2 sec acc. to IEC 60068-2-58, Test Td,Fig. 2B (Reflow) // 245 °C / 3 sec (Wave) Mounting PCB,SMT Resistance to Soldering Heat 260 °C / 10 sec acc. to IEC 60068-2-58, Test Td							
Rated Voltage 63 - 125 VAC, 65 - 125 VDC Soldering Methods Reflow, Wave Rated current 0.063 - 15A Soldering Profile Breaking Capacity 300 A 235 °C / 2 sec acc. to IEC 60068-2-58, Test Td,Fig. 2B (Reflow) // 245 °C / 3 sec (Wave) Characteristic Quick-Acting F Soldering Heat 260 °C / 10 sec acc. to IEC 60068-2-58, Test Td,Fig. 2B (Reflow) // 245 °C / 3 sec (Wave) Admissible Ambient Temp. -55 °C to 125 °C Test Td,Fig. 2B (Reflow) // 245 °C / 3 sec (Wave)							
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Mounting PCB,SMT Admissible Ambient Temp. -55 °C to 125 °C	Characteristic Quick-Acting F		Solderability	235 °C / 2 sec acc. to IEC 60068-2-58,			
Admissible Ambient Temp55 °C to 125 °C Resistance to Soldering Heat 260 °C / 10 sec acc. to IEC 60068-2-58,							
Admissible Amblent Temp33 0 to 123 0				sec (Wave)			
Climatic Category 55/125/56 acc. to IEC 60068-1 Test Td	Admissible Ambient Temp.	-55 °C to 125 °C	Resistance to Soldering Heat				
Moisture Sensitivity Level MSL 1 LSTD-020	Climatic Category	55/125/56 acc. to IEC 60068-1					

Moisture Sensitivity Level

Approvals and Compliances

Ceramics

0.07 g

Copper alloy, tin-plated

5, Rated current

0°C to 60°C, max. 70% r.h.

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Approvals

Material: Tube

<u>Unit Weight</u>

Material: Endcaps

Storage Conditions

Product Marking

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products. Approval Reference Type: 172876

Approval Logo	Certificates	Certification Body	Description
c FL [°] us	UL Approvals	UL	UR File Number: E42088

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
(YL)	Designed according to	UL 248-14	Low voltage fuses - Part 14: Supplemental fuses
CSA Group	Designed according to	CSA22.2 No. 248.14	Low-Voltage Fuses - Part 14: Supplemental Fuses

MSL 1, J-STD-020

172876

Application standards

Application standards where the product can be used

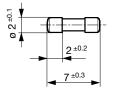
Organization	Design	Standard	Description				
IEC.	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements				
Compliances The product complies with following Guide Lines							

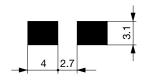
Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
UK CA	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
(1)	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

Dimension [mm]

7 mm

-

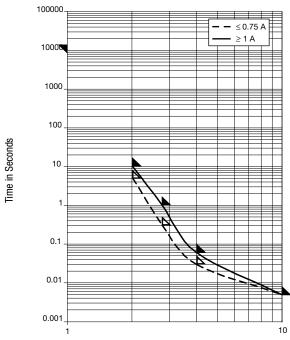




Soldering pads

Pre-Arcing Time						
Rated Current In	1.0 x In min.	2.0 x In max.	2.75 x ln max.	4.0 x In max.	10.0 x In max.	
0.063 A - 0.75 A	4 h	5 s	300 ms	30 ms	5 ms	
1 A - 15 A	4 h	10 s	-	60 ms	5 ms	

Time-Current-Curves



Multiple of Rated Current In

All Variants

Rated Cur- rent [A]	Rated Vol- tage [VAC]	Rated Vol- tage [VDC]	Breaking Capacity	Voltage Drop 1.0 I _n typ. [mV]	Power Dissi- pation 1.0 I _n typ. [mW]	Melting I ² t 10.0 I _n typ. [A ² s]	Order Number
0.063	125	125	1)	590	37	0.00022 •	7010.9750.63
0.063	125	125	1)	590	37	0.00022 ●	7010.9750.57
0.125	125	125	1)	640	80	0.0024 •	7010.9760.63
0.25	125	125	1)	275	69	0.0061 •	7010.9770.63
0.25	125	125	1)	275	69	0.0061 •	7010.9770.57
0.375	125	125	1)	215	81	0.012 •	7010.9780.63
0.375	125	125	1)	215	81	0.012 •	7010.9780.57
0.5	125	125	1)	205	103	0.046 •	7010.9790.63
0.5	125	125	1)	205	103	0.046 •	7010.9790.57
0.75	125	125	1)	190	143	0.09 •	7010.9800.63
0.75	125	125	1)	190	143	0.09 •	7010.9800.57
1	125	125	1)	180	180	0.11 ●	7010.9810.63
1	125	125	1)	180	180	0.11 ●	7010.9810.57
1.5	125	125	1)	185	278	0.25 •	7010.9820.63
1.5	125	125	1)	185	278	0.25 •	7010.9820.57
2	125	125	1)	160	320	0.72 •	7010.9830.63
2	125	125	1)	160	320	0.72 •	7010.9830.57
2.5	125	125	1)	160	400	0.91 •	7010.9840.63
2.5	125	125	1)	160	400	0.91 •	7010.9840.57
3	125	125	1)	155	465	1.3 •	7010.9850.63
3	125	125	1)	155	465	1.3 •	7010.9850.57
3.5	125	125	1)	145	510	1.7 •	7010.9860.63
3.5	125	125	1)	145	510	1.7 ●	7010.9860.57
4	125	125	1)	140	560	2.6 •	7010.9870.63
4	125	125	1)	140	560	2.6 •	7010.9870.57
5	63	125	2)	125	625	4 ●	7010.9880.63
5	63	125	2)	125	625	4 •	7010.9880.57
7	63	125	2)	120	840	8.5 •	7010.9890.63

Rated Cur- rent [A]	Rated Vol- tage [VAC]	Rated Vol- tage [VDC]	Breaking Capacity	Voltage Drop 1.0 I _n typ. [mV]	Power Dissi- pation 1.0 I _n typ. [mW]	Melting I²t 10.0 I _n typ. _c ¶ [A²s]	Order Number
7	63	125	2)	120	840	8.5	• 7010.9890.57
10	65	65	3)	110	1100	31	• 7010.9892.63
10	65	65	3)	110	1100	31	• 7010.9892.57
12	65	65	3)	115	1380	48	• 7010.9894.63
12	65	65	3)	115	1380	48	• 7010.9894.57
15	65	65	3)	105	1575	92	• 7010.9896.63
15	65	65	3)	105	1575	92	• 7010.9896.57

Availability for all products can be searched real-time: https://www.schurter.com/en/info-center/support-tools/stock-checkdistributors

1) 300 A @ 125 VAC , cos $\phi \geq$ 0.95 / 300 A @ 125 VDC resistiv

2) 300 A @ 63 VAC , cos $\phi \geq$ 0.95 / 300 A @ 125 VDC resistiv

3) 300 A @ 65 VAC , cos $\phi \geq$ 0.95 / 300 A @ 65 VDC resistiv

 Packaging Unit
 .xx = .63
 100 St. in ESD-plastic bag

 acc. IEC 60286-3 Type 2a
 .xx = .57
 1500 pcs. in tape [W: 16mm and P1: 4mm] on reel [A: 18cm]

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Schurter:

7010.9790.577010.9890.637010.9810.637010.9830.577010.9896.637010.9860.637010.9890.577010.9780.637010.9760.637010.9850.637010.9820.637010.9840.637010.9770.637010.9870.637010.9880.577010.9790.637010.9830.637010.9800.637010.9880.637010.9880.637010.9880.637010.9880.63