HV Fuse, up to 1000 VDC, up to 900 A

new



EL011 Ceramic Bolt-on B



EL013 Melamine Bolt-on A



EL011 Ceramic Bolt-on A



EL014 Melamine Bolt-on A

800/1000 VDC · aR, HV Fuse

See below:
Approvals and Compliances

Description
- High breaking capacity of up to 50 kA @ 1000 VDC
- Voltage ratings up to 1000 VDC
- Advanced filler formulation and proprietary curing technology

Unique Selling Proposition
- Standard size
- Robust terminal connections
- High resistance to vibration and shock
- Extended service life

Applications
- Power Racks for EV Chargers
- HVDC Power Systems for Servers
- Battery Electrical Protection Systems
- Power Supply Units (PSUs) for AI Servers
- Power Modules

Weblinks
pdf data sheet, html datasheet, General Product Information, Distributor-Stock-Check, Detailed request for product

Technical Data

Rated Voltage	800/1000 VDC
Rated current	20 - 900 A
Breaking Capacity	up to 50 kA
Characteristic	aR, HV Fuse
Mounting	Bolt-on
Admissible Ambient Temp.	-40 °C to 125 °C
Material: Terminals	Copper alloy, tin-plated
Material: Tube	Ceramic / Melamine
Material: Endcaps	Copper Alloy
Storage Conditions	-40 °C to 70 °C, max. 70% r.h.
Product Marking	, Type, Rated current, Rated Voltage, Breaking Capacity, Approvals

Resistance to Vibration	IEC 60068-2-64
Salt mist	IEC 60068-2-11
Damp heat, steady state	IEC 60068-2-3
Thermal Shock	IEC 60068-2-14
Mechanical Shock	IEC 60068-2-27

Approvals and Compliances

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

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

Approval Reference Type: ELO

Approval Logo	Certificates	Certification Body	Description
	TUEV Approvals	TUEV	Technischer Überwachungsverein
c US	UL Approvals	UL	UR File Number: E531402

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
IEC	Designed according to	IEC 60269-4	Low-voltage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices
UL	Designed according to	UL 248-13	Low voltage fuses - Part 13: Semiconductor fuses
GB	Designed according to	GB/T13539.4	Low-volage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices

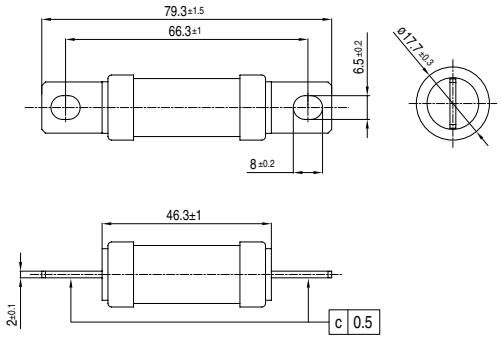
Compliances

The product complies with following Guide Lines

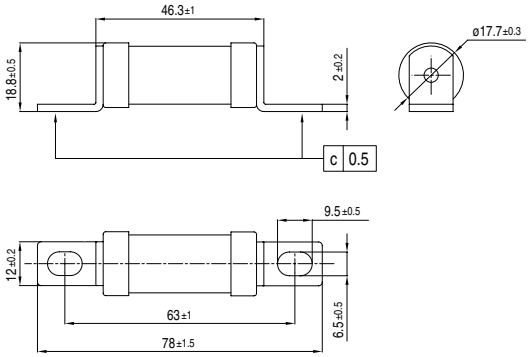
Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
China RoHS	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]

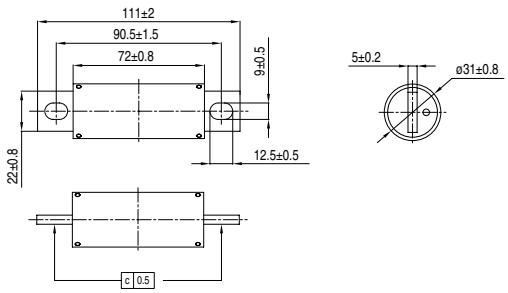
ELO11 1746 Bolt-on A



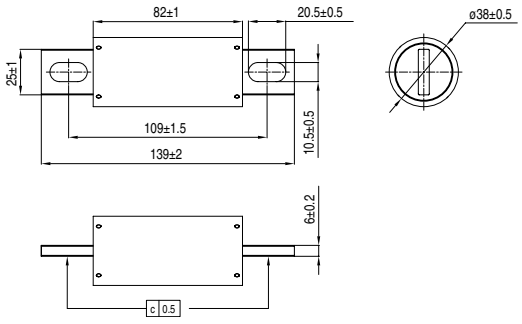
ELO11 1746 Bolt-on B



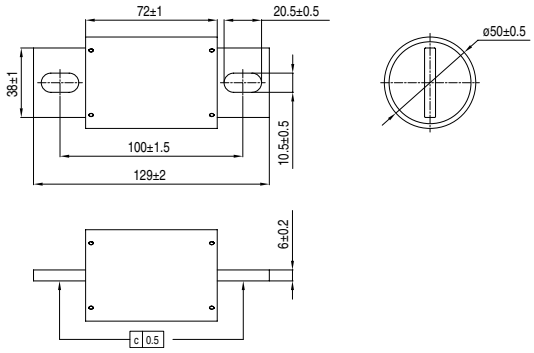
ELO12 3172 Bolt-on A



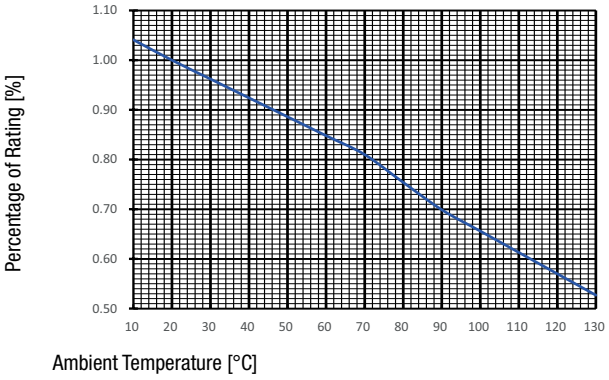
ELO13 3882 Bolt-on A



ELO14 5072 Bolt-on A

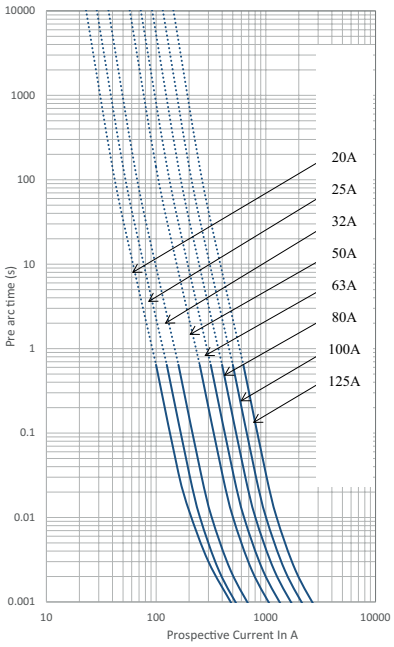


Derating Curves

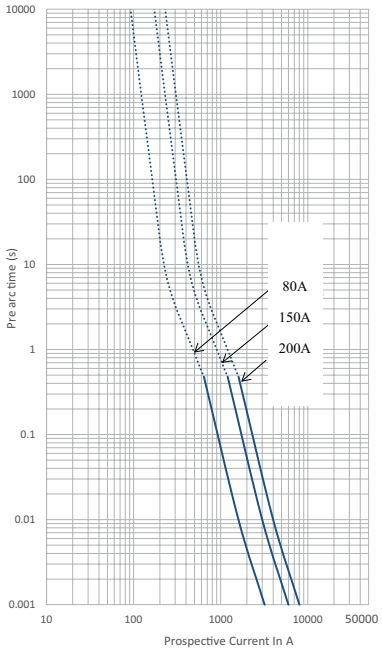


Time-Current-Curves

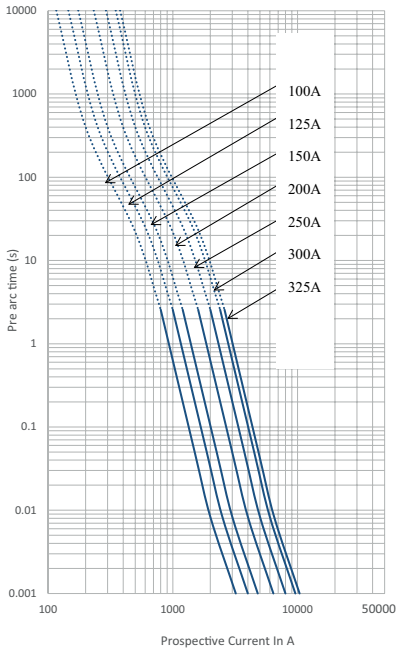
ELO11 20~125 A, 800 VDC



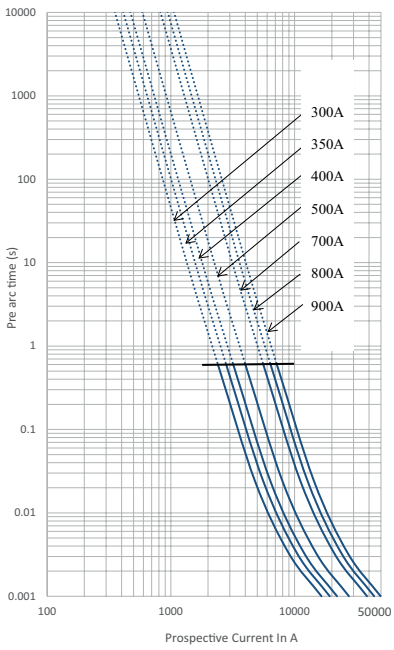
ELO12 80~200 A, 1000 VDC



EL013 100~325 A, 1000 VDC



EL014 300~900 A, 1000 VDC



Variants

Product Series	Rated Current [A]	Rated Voltage [VDC]	Dimension Code	Mounting	Material: Tube	Terminal Plating	Breaking Capacity	Pre-arcing I^2t typ. k[A^2s]	Melting I^2t typ. k[A^2s]	Power Dissipation 1.0 I_n typ. [W]			Packaging [PCS]	Order Number
EL011	20	800	1746	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	0.08	0.95	4.2	●	●	324	3-165-327
EL011	25	800	1746	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	0.08	0.95	6.5	●	●	324	3-165-328
EL011	32	800	1746	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	0.12	1.18	9.1	●	●	324	3-165-329
EL011	50	800	1746	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	0.3	2.53	13.8	●	●	324	3-165-330
EL011	63	800	1746	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	0.75	4.53	14.3	●	●	324	3-165-331
EL011	80	800	1746	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	1.72	8.21	15.2	●	●	324	3-165-332
EL011	100	800	1746	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	3.1	12.63	18.3	●	●	324	3-165-333
EL011	125	800	1746	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	3.85	14.83	24.4	●	●	324	3-165-334
EL011	20	800	1746	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	0.08	0.95	4.2	●	●	324	3-165-335
EL011	25	800	1746	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	0.08	0.95	6.5	●	●	324	3-165-336
EL011	32	800	1746	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	0.12	1.18	9.1	●	●	324	3-165-337
EL011	50	800	1746	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	0.3	2.53	13.8	●	●	324	3-165-338
EL011	63	800	1746	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	0.75	4.53	14.3	●	●	324	3-165-339
EL011	80	800	1746	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	1.72	8.21	15.2	●	●	324	3-165-340
EL011	100	800	1746	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	3.1	12.63	18.3	●	●	324	3-165-341
EL011	125	800	1746	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	3.85	14.83	24.4	●	●	324	3-165-342
EL012	80	1000	3172	Bolt-on A	Melamine	Copper alloy, tin-plated	1)	5.08	18.11	14	●		50	3-165-343
EL012	150	1000	3172	Bolt-on A	Melamine	Copper alloy, tin-plated	1)	33.72	64.79	22	●		50	3-165-344

Product Series	Rated Current [A]	Rated Voltage [VDC]	Dimension Code	Mounting	Material: Tube	Terminal Plating	Breaking Capacity	Pre-arcing I^2t typ. k[A^2s]	Melting I^2t typ. k[A^2s]	Power Dissipation 1.0 I_n typ. [W]		Packaging [PCS]	Order Number
EL012	200	1000	3172	Bolt-on A	Melamine	Copper alloy, tin-plated	1)	59.96	195.01	29	●	50	3-165-345
EL013	100	1000	3882	Bolt-on A	Melamine	Copper alloy, tin-plated	2)	4.86	24.25	16	●	40	3-165-346
EL013	125	1000	3882	Bolt-on A	Melamine	Copper alloy, tin-plated	2)	11.59	45.57	16	●	40	3-165-347
EL013	150	1000	3882	Bolt-on A	Melamine	Copper alloy, tin-plated	2)	17.22	61.18	20	●	40	3-165-348
EL013	200	1000	3882	Bolt-on A	Melamine	Copper alloy, tin-plated	2)	45.63	152.58	26	●	40	3-165-349
EL013	250	1000	3882	Bolt-on A	Melamine	Copper alloy, tin-plated	2)	71.3	185.69	30	●	40	3-165-350
EL013	300	1000	3882	Bolt-on A	Melamine	Copper alloy, tin-plated	2)	102.67	255.96	34	●	40	3-165-351
EL013	325	1000	3882	Bolt-on A	Melamine	Copper alloy, tin-plated	2)	151.5	402.9	36	●	40	3-165-352
EL014	300	1000	5072	Bolt-on A	Melamine	Copper alloy, tin-plated	1)	207	352	37	●	32	3-165-353
EL014	350	1000	5072	Bolt-on A	Melamine	Copper alloy, tin-plated	1)	282	479	42	●	32	3-165-354
EL014	400	1000	5072	Bolt-on A	Melamine	Copper alloy, tin-plated	1)	369	484.95	62	●	32	3-165-355
EL014	500	1000	5072	Bolt-on A	Melamine	Copper alloy, tin-plated	1)	399.03	589.26	78	●	32	3-165-356
EL014	700	1000	5072	Bolt-on A	Melamine	Copper alloy, tin-plated	1)	890.39	1183.04	109	●	32	3-165-357
EL014	800	1000	5072	Bolt-on A	Melamine	Copper alloy, tin-plated	1)	1172.26	1508.49	124	●	32	3-165-358
EL014	900	1000	5072	Bolt-on A	Melamine	Copper alloy, tin-plated	1)	1866	3165	140	●	32	3-165-359

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

Breaking Capacity

1) 50 kA @ 3 ms

2) 50 kA @ 10 ms

18.11.2026

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.