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

new



ALO Resin type Axial Bolt-on



ALO Ceramic type Axial Bolt-on



ALO Ceramic type Bottom Bolt-on

250/500/750/1000 VDC · EV Fuse

See below:
Approvals and Compliances

Description
- High breaking capacity of up to 50 kA @ 1000 VDC
- Axial/ Bottom bolt-on mounting for vehicle applications

Unique Selling Proposition
- Compact size
- High safety and reliability
- Mechanical vibration and shock resistance
- Chemical load resistance

Applications
- PDU: Power Distribution Unit
- BDU: Battery Disconnect Unit
- All-in-One-Controller
- 2-in-1 Electric Drive
- Battery Management System

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

Technical Data

Rated Voltage	250/500/750/1000 VDC
Rated current	100 - 900 A
Breaking Capacity	up to 50 kA
Characteristic	EV Fuse
Mounting	Bolt-on
Admissible Ambient Temp.	-40 °C to 125 °C
Material: Terminals	Copper alloy, tin-plated
Material: Tube	Ceramic / Resin
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	acc. to IEC 60068-2-6, test Fc
Mechanical Shock	MIL-STD-202, Method 213 Condition C

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: ALO

Approval Logo	Certificates	Certification Body	Description
	UL Approvals	UL	UR File Number: 548130

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	UL 248-20	Low-Voltage Fuses - Part 20: Electric Vehicle (EV) Fuses
	Designed according to	ISO 8820-8	High-voltage fuses for vehicles - Part 8: Fuse-links with bolt-in contacts (Type H and J) with rated voltage of 450V
	Designed according to	GB/T31465.6	Road vehicles - Fuse-link - Part 6: Fuse-links with bolt-in contacts with high voltage
	Designed according to	JASO D622	Automotive parts - Bolt-in type high-voltage fuse-links

Compliances

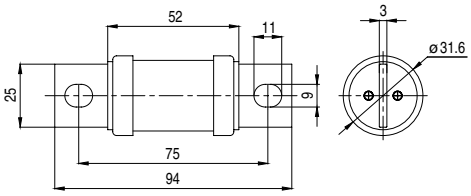
The product complies with following Guide Lines

Identification	Details	Initiator	Description
	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
	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	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.

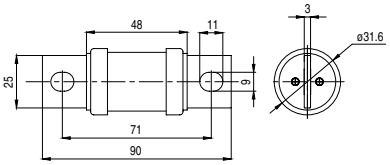
Dimension [mm]

50 mm

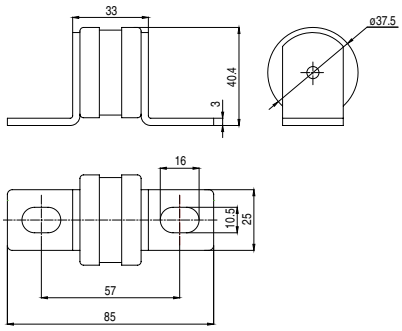
AL011 3148 Bolt-on A



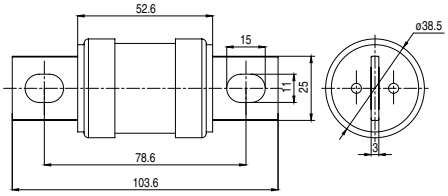
AL012 3148 Bolt-on B



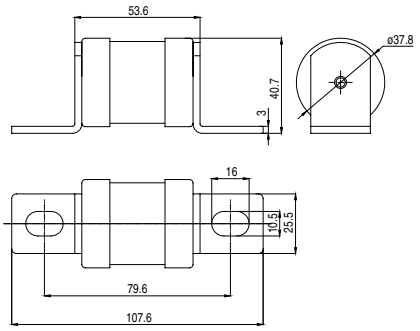
AL013 3734 Bolt-on A



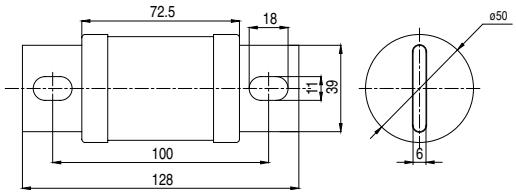
AL014 3852 Bolt-on A



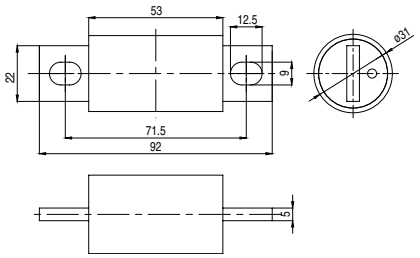
ALO16 3852 Bolt-on B



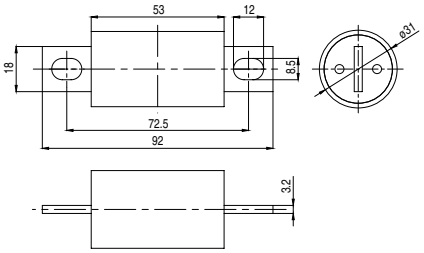
ALO19 5074 Bolt-on A



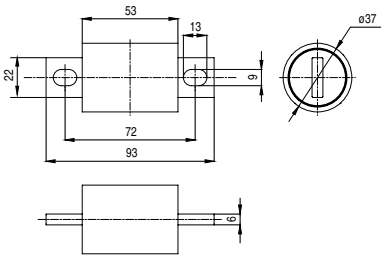
ALO51 3153-R Bolt-on A



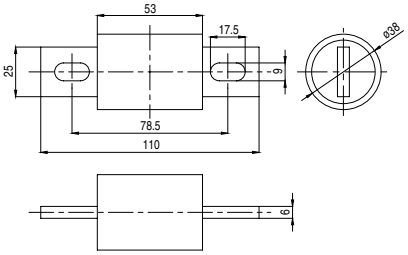
ALO52 3153-R Bolt-on B



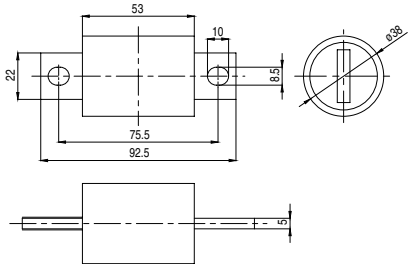
ALO53 3853-R Bolt-on A



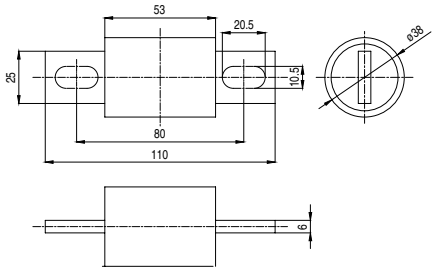
ALO54 3853-R Bolt-on B



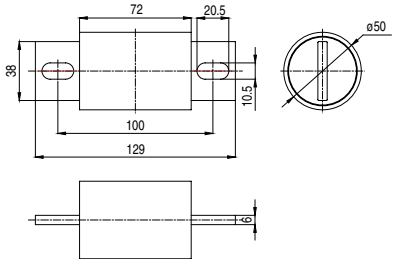
ALO55 3853-R Bolt-on C



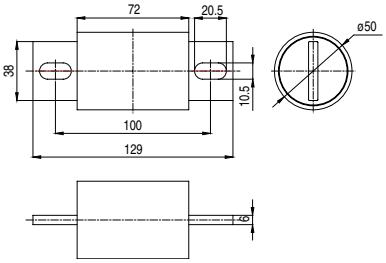
ALO56 3853-R Bolt-on D



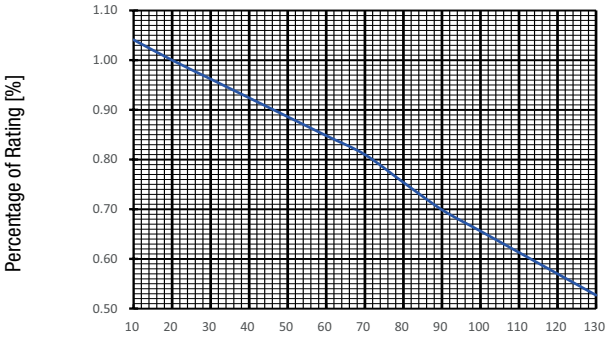
ALO58 5072-R Bolt-on A



ALO59 5072-R Bolt-on A



Derating Curves

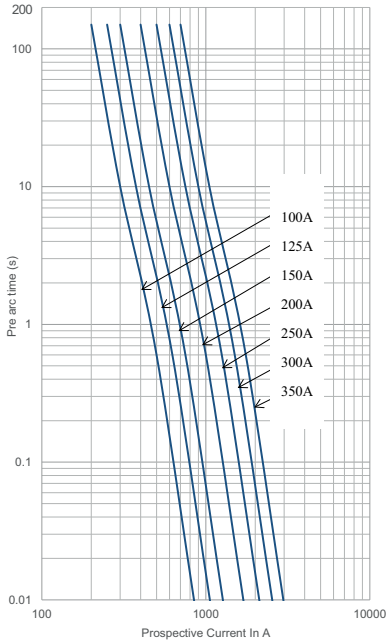


Pre-Arcing Time

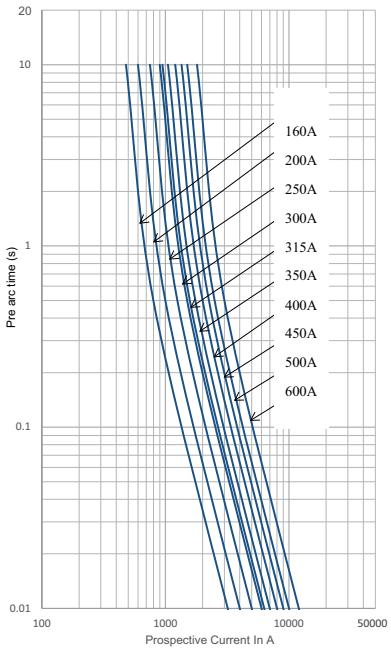
Rated Current In	1.1 x In min.	2.0 x In min.	2.0 x In max.	3.0 x In min.	3.0 x In max.	5.0 x In min.	5.0 x In max.
100 A - 900 A	4 h	1 s	300 s	200 ms	30 s	50 ms	1 s

Time-Current-Curves

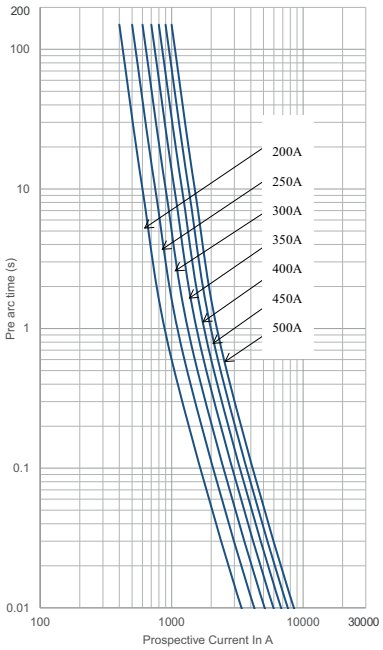
ALO11, ALO12 3148 Bolt-on A and B, 500 VDC



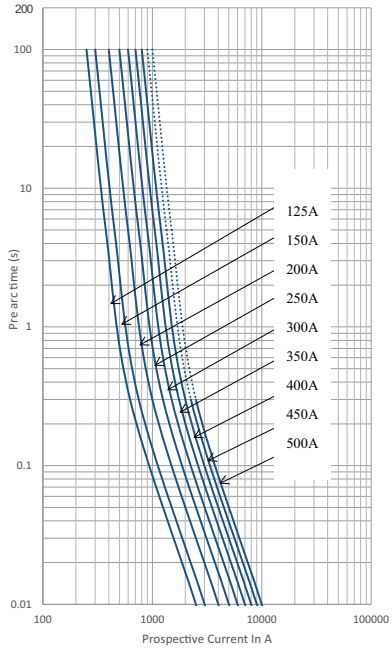
ALO13 3734 Bolt-on A, 250 VDC



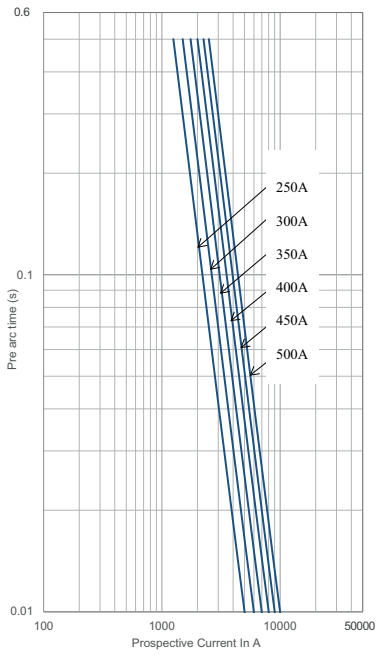
ALO14 3852 Bolt-on A, 500 VDC



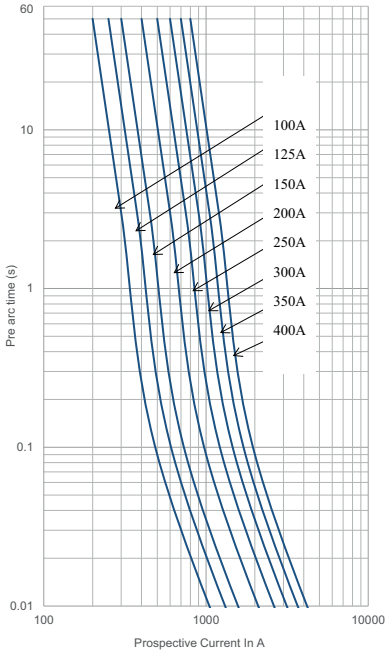
ALO16 3852 Bolt-on B, 500 VDC



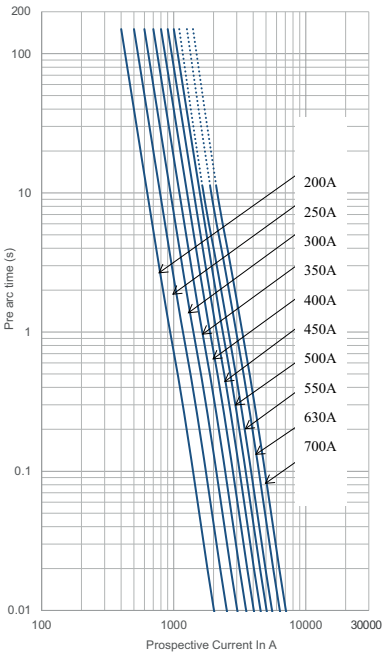
ALO19 5074 Bolt-on A, 1000 VDC



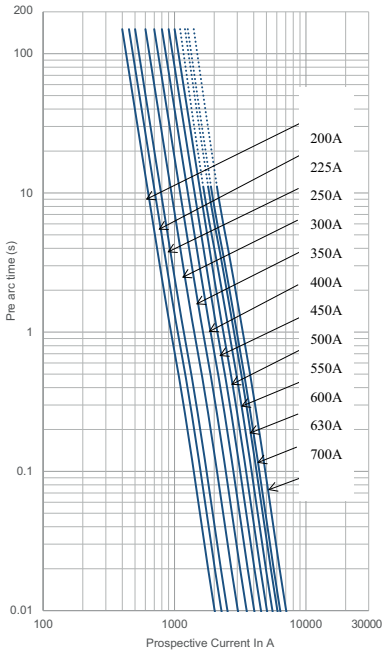
ALO51 and ALO52 3153-R Bolt-on A and B, 500 VDC



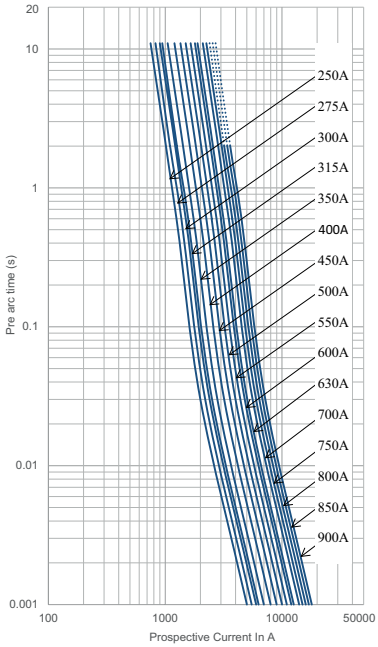
ALO53 3853-R Bolt-on A, 500 VDC



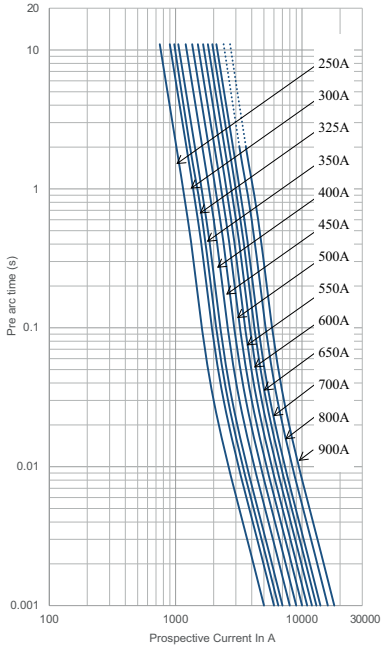
ALO54, ALO55, ALO56 3853-R Bolt-on B, C and D, 200-700 A, 500 VDC



ALO58 5072-R Bolt-on A, 250-900 A, 750 VDC



ALO59 5072-R Bolt-on A, 250-900 A, 1000 VDC



Variants

Product Series	Rated Current [A]	Rated Voltage [VDC]	Dimension Code	Mounting	Material: Tube	Terminal Plating	Breaking Capacity	Pre-arcing I²t typ. k[A²s]	Melting I²t typ. k[A²s]	Power Dissipation 1.0 I_n typ. [W]		Packaging [PCS]	Order Number
ALO11	100	500	3148	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	1.05	4.4	11	●	6	3-156-224
ALO11	125	500	3148	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	1.75	7.3	13	●	6	3-156-225
ALO11	150	500	3148	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	2.6	10.9	17	●	6	3-156-226
ALO11	200	500	3148	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	4.85	20.4	24	●	6	3-156-227
ALO11	250	500	3148	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	8.61	36.2	28	●	6	3-156-228
ALO11	300	500	3148	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	12.4	52.1	35	●	6	3-156-229
ALO11	350	500	3148	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	17.85	74.9	45	●	6	3-156-230
ALO12	100	500	3148	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	1.05	4.4	11	●	6	3-156-231
ALO12	125	500	3148	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	1.75	7.3	13	●	6	3-156-232
ALO12	150	500	3148	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	2.6	10.9	17	●	6	3-156-233
ALO12	200	500	3148	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	4.85	20.4	24	●	6	3-156-234
ALO12	250	500	3148	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	8.61	36.2	28	●	6	3-156-235
ALO12	300	500	3148	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	12.4	52.1	35	●	6	3-156-236
ALO12	350	500	3148	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	17.85	74.9	45	●	6	3-156-237
ALO13	160	250	3734	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	1.598	8.537	13		4	3-156-238
ALO13	200	250	3734	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	4.516	15.806	16		4	3-156-239
ALO13	250	250	3734	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	7.243	25.351	20		4	3-156-240
ALO13	300	250	3734	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	13.38	46.83	23		4	3-156-241

Product Series	Rated Current [A]	Rated Voltage [VDC]	Dimension Code	Mounting	Material: Tube	Terminal Plating	Breaking Capacity	Pre-arcing I²t typ. k[A²s]	Melting I²t typ. k[A²s]	Power Dissipation 1.0 I_n typ. [W]		Packaging [PCS]	Order Number
AL013	315	250	3734	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	15.89	55.615	24		4	3-156-242
AL013	350	250	3734	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	19.81	69.335	26		4	3-156-243
AL013	400	250	3734	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	27.69	96.915	31		4	3-156-244
AL013	450	250	3734	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	37.09	129.815	35		4	3-156-245
AL013	500	250	3734	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	48.1	168.35	38		4	3-156-246
AL013	600	250	3734	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	79.28	277.48	44		4	3-156-247
AL014	200	500	3852	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	3.92	16.5	36	●	3	3-156-248
AL014	250	500	3852	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	6.97	29.3	39	●	3	3-156-249
AL014	300	500	3852	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	10.9	45.8	48	●	3	3-156-250
AL014	350	500	3852	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	15.7	65.9	58	●	3	3-156-251
AL014	400	500	3852	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	22.59	94.9	68	●	3	3-156-252
AL014	450	500	3852	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	27.88	117.2	76	●	3	3-156-253
AL014	500	500	3852	Bolt-on A	Ceramic	Copper alloy, tin-plated	1)	52.07	154.9	82	●	3	3-156-254
AL016	125	500	3852	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	1	4.43	16		3	3-156-263
AL016	150	500	3852	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	1.525	7.32	20		3	3-156-264
AL016	200	500	3852	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	3.02	16.5	36		3	3-156-265
AL016	250	500	3852	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	6.07	29.3	39		3	3-156-266
AL016	300	500	3852	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	10.9	45.8	48		3	3-156-267
AL016	350	500	3852	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	15.7	65.9	58		3	3-156-268
AL016	400	500	3852	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	22.59	94.9	68		3	3-156-269
AL016	450	500	3852	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	27.88	117.2	76		3	3-156-270
AL016	500	500	3852	Bolt-on B	Ceramic	Copper alloy, tin-plated	1)	36.88	154.9	82		3	3-156-271
AL019	250	1000	5074	Bolt-on A	Ceramic	Copper Alloy	3)	11.501	39.94	43		3	3-156-285
AL019	300	1000	5074	Bolt-on A	Ceramic	Copper Alloy	3)	15.363	53.15	54		3	3-156-286
AL019	350	1000	5074	Bolt-on A	Ceramic	Copper Alloy	3)	25.005	85.88	67		3	3-156-287
AL019	400	1000	5074	Bolt-on A	Ceramic	Copper Alloy	3)	37.358	127.4	79		3	3-156-288
AL019	450	1000	5074	Bolt-on A	Ceramic	Copper Alloy	3)	52.598	178.17	95		3	3-156-289
AL019	500	1000	5074	Bolt-on A	Ceramic	Copper Alloy	3)	70.897	238.55	108		3	3-156-290
AL051	100	500	3153	Bolt-on A	Resin	Copper alloy, tin-plated	1)	3.1	9.3	16		70	3-156-291
AL051	125	500	3153	Bolt-on A	Resin	Copper alloy, tin-plated	1)	4.5	14.4	18		70	3-156-292
AL051	150	500	3153	Bolt-on A	Resin	Copper alloy, tin-plated	1)	6.3	20.6	22		70	3-156-293
AL051	200	500	3153	Bolt-on A	Resin	Copper alloy, tin-plated	1)	11.1	35.2	25		70	3-156-294
AL051	250	500	3153	Bolt-on A	Resin	Copper alloy, tin-plated	1)	17.2	57.3	30		70	3-156-295
AL051	300	500	3153	Bolt-on A	Resin	Copper alloy, tin-plated	1)	24.2	81.1	44		70	3-156-296
AL051	350	500	3153	Bolt-on A	Resin	Copper alloy, tin-plated	1)	32.5	106.4	52		70	3-156-297
AL051	400	500	3153	Bolt-on A	Resin	Copper alloy, tin-plated	1)	42.3	140.2	68		70	3-156-298
AL052	100	500	3153	Bolt-on B	Resin	Copper alloy, tin-plated	1)	3.1	9.3	16		70	3-156-301

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
AL052	125	500	3153	Bolt-on B	Resin	Copper alloy, tin-plated	1)	4.5	14.4	18	70	3-156-302
AL052	150	500	3153	Bolt-on B	Resin	Copper alloy, tin-plated	1)	6.3	20.6	22	70	3-156-303
AL052	200	500	3153	Bolt-on B	Resin	Copper alloy, tin-plated	1)	11.1	35.2	25	70	3-156-304
AL052	250	500	3153	Bolt-on B	Resin	Copper alloy, tin-plated	1)	17.2	57.3	30	70	3-156-305
AL052	300	500	3153	Bolt-on B	Resin	Copper alloy, tin-plated	1)	24.2	81.1	44	70	3-156-306
AL052	350	500	3153	Bolt-on B	Resin	Copper alloy, tin-plated	1)	32.5	106.4	52	70	3-156-307
AL052	400	500	3153	Bolt-on B	Resin	Copper alloy, tin-plated	1)	42.3	140.2	68	70	3-156-308
AL053	200	500	3853	Bolt-on A	Resin	Copper alloy, tin-plated	1)	11.8	35.5	36	3	3-156-311
AL053	250	500	3853	Bolt-on A	Resin	Copper alloy, tin-plated	1)	18.4	55.6	39	3	3-156-312
AL053	300	500	3853	Bolt-on A	Resin	Copper alloy, tin-plated	1)	26.5	79.3	48	3	3-156-313
AL053	350	500	3853	Bolt-on A	Resin	Copper alloy, tin-plated	1)	36.1	108.1	58	3	3-156-314
AL053	400	500	3853	Bolt-on A	Resin	Copper alloy, tin-plated	1)	47.1	141.4	63	3	3-156-315
AL053	450	500	3853	Bolt-on A	Resin	Copper alloy, tin-plated	1)	59.6	158.9	68	3	3-156-316
AL053	500	500	3853	Bolt-on A	Resin	Copper alloy, tin-plated	1)	73.6	178.7	73	3	3-156-317
AL053	550	500	3853	Bolt-on A	Resin	Copper alloy, tin-plated	1)	89.1	208.6	87	3	3-156-318
AL053	630	500	3853	Bolt-on A	Resin	Copper alloy, tin-plated	1)	116.9	233.3	105	3	3-156-319
AL053	700	500	3853	Bolt-on A	Resin	Copper alloy, tin-plated	1)	144.3	253.4	118	3	3-156-320
AL054	200	500	3853	Bolt-on B	Resin	Copper alloy, tin-plated	1)	11.8	35.5	36	3	3-156-329
AL054	225	500	3853	Bolt-on B	Resin	Copper alloy, tin-plated	1)	14.9	44.7	37	3	3-156-330
AL054	250	500	3853	Bolt-on B	Resin	Copper alloy, tin-plated	1)	18.4	55.6	39	3	3-156-331
AL054	300	500	3853	Bolt-on B	Resin	Copper alloy, tin-plated	1)	26.5	79.3	48	3	3-156-332
AL054	350	500	3853	Bolt-on B	Resin	Copper alloy, tin-plated	1)	36.1	108.1	58	3	3-156-333
AL054	400	500	3853	Bolt-on B	Resin	Copper alloy, tin-plated	1)	47.1	141.4	63	3	3-156-334
AL054	450	500	3853	Bolt-on B	Resin	Copper alloy, tin-plated	1)	59.6	158.9	68	3	3-156-335
AL054	500	500	3853	Bolt-on B	Resin	Copper alloy, tin-plated	1)	73.6	178.7	73	3	3-156-336
AL054	550	500	3853	Bolt-on B	Resin	Copper alloy, tin-plated	1)	89.1	208.6	87	3	3-156-337
AL054	600	500	3853	Bolt-on B	Resin	Copper alloy, tin-plated	1)	105.5	213	99	3	3-156-338
AL054	630	500	3853	Bolt-on B	Resin	Copper alloy, tin-plated	1)	116.9	233.3	105	3	3-156-339
AL054	700	500	3853	Bolt-on B	Resin	Copper alloy, tin-plated	1)	144.3	253.4	118	3	3-156-340
AL055	200	500	3853	Bolt-on C	Resin	Copper alloy, tin-plated	1)	11.8	35.5	36	3	3-156-350
AL055	225	500	3853	Bolt-on C	Resin	Copper alloy, tin-plated	1)	14.9	44.7	37	3	3-156-351
AL055	250	500	3853	Bolt-on C	Resin	Copper alloy, tin-plated	1)	18.4	55.6	39	3	3-156-352
AL055	300	500	3853	Bolt-on C	Resin	Copper alloy, tin-plated	1)	26.5	79.3	48	3	3-156-353
AL055	350	500	3853	Bolt-on C	Resin	Copper alloy, tin-plated	1)	36.1	108.1	58	3	3-156-354
AL055	400	500	3853	Bolt-on C	Resin	Copper alloy, tin-plated	1)	47.1	141.4	63	3	3-156-355
AL055	450	500	3853	Bolt-on C	Resin	Copper alloy, tin-plated	1)	59.6	158.9	68	3	3-156-356

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
AL055	500	500	3853	Bolt-on C	Resin	Copper alloy, tin-plated	1)	73.6	178.7	73	3	3-156-357
AL055	550	500	3853	Bolt-on C	Resin	Copper alloy, tin-plated	1)	89.1	208.6	87	3	3-156-358
AL055	600	500	3853	Bolt-on C	Resin	Copper alloy, tin-plated	1)	105.5	213	99	3	3-156-359
AL055	630	500	3853	Bolt-on C	Resin	Copper alloy, tin-plated	1)	116.9	233.3	105	3	3-156-360
AL055	700	500	3853	Bolt-on C	Resin	Copper alloy, tin-plated	1)	144.3	253.4	118	3	3-156-361
AL056	200	500	3853	Bolt-on D	Resin	Copper alloy, tin-plated	1)	11.8	35.5	36	3	3-156-371
AL056	225	500	3853	Bolt-on D	Resin	Copper alloy, tin-plated	1)	14.9	44.7	37	3	3-156-372
AL056	250	500	3853	Bolt-on D	Resin	Copper alloy, tin-plated	1)	18.4	55.6	39	3	3-156-373
AL056	300	500	3853	Bolt-on D	Resin	Copper alloy, tin-plated	1)	26.5	79.3	48	3	3-156-374
AL056	350	500	3853	Bolt-on D	Resin	Copper alloy, tin-plated	1)	36.1	108.1	58	3	3-156-375
AL056	400	500	3853	Bolt-on D	Resin	Copper alloy, tin-plated	1)	47.1	141.4	63	3	3-156-376
AL056	450	500	3853	Bolt-on D	Resin	Copper alloy, tin-plated	1)	59.6	158.9	68	3	3-156-377
AL056	500	500	3853	Bolt-on D	Resin	Copper alloy, tin-plated	1)	73.6	178.7	73	3	3-156-378
AL056	550	500	3853	Bolt-on D	Resin	Copper alloy, tin-plated	1)	89.1	208.6	87	3	3-156-379
AL056	600	500	3853	Bolt-on D	Resin	Copper alloy, tin-plated	1)	105.5	213	99	3	3-156-380
AL056	630	500	3853	Bolt-on D	Resin	Copper alloy, tin-plated	1)	116.9	233.3	105	3	3-156-381
AL056	700	500	3853	Bolt-on D	Resin	Copper alloy, tin-plated	1)	144.3	253.4	118	3	3-156-382
AL058	250	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	17.68	61.88	31	1	3-156-388
AL058	275	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	19.86	69.51	33	1	3-156-389
AL058	300	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	29.1	101.85	37	1	3-156-390
AL058	315	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	30.1	115.35	38	1	3-156-391
AL058	350	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	43.89	153.615	44	1	3-156-392
AL058	400	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	62.32	218.12	50	1	3-156-393
AL058	450	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	72.98	255.43	62	1	3-156-394
AL058	500	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	97.35	340.725	68	1	3-156-395
AL058	550	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	121.35	424.75	70	1	3-156-396
AL058	600	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	167.8	587.3	78	1	3-156-397
AL058	630	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	177.6	621.6	79	1	3-156-398
AL058	700	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	240.2	840.7	91	1	3-156-399
AL058	750	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	280.8	982.8	94	1	3-156-400
AL058	800	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	371.8	1301.3	99	1	3-156-401
AL058	850	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	401.7	1405.95	106	1	3-156-402
AL058	900	750	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	541	1893.5	108	1	3-156-403
AL059	250	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	24.9	77.7	27	1	3-156-404
AL059	300	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	27	84.3	32	1	3-156-405
AL059	325	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	29.7	92.7	35	1	3-156-406

Product Series	Rated Current [A]	Rated Voltage [VDC]	Dimension Code	Mounting	Material: Tube	Terminal Plating	Breaking Capacity	Pre-arcing I²t typ. k[A²s]	Melting I²t typ. k[A²s]	Power Dissipation 1.0 I_n typ. [W]	Packaging [PCS]	Order Number
AL059	350	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	42.9	134	38	1	3-156-407
AL059	400	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	66.3	207	43	1	3-156-408
AL059	450	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	70.6	220.7	48	1	3-156-409
AL059	500	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	96.7	302.1	54	1	3-156-410
AL059	550	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	112.4	351.3	59	1	3-156-411
AL059	600	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	123.2	385	64	1	3-156-412
AL059	650	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	133.9	418.5	70	1	3-156-413
AL059	700	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	144.3	451	75	1	3-156-414
AL059	800	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	219.7	686.6	85	1	3-156-415
AL059	900	1000	5072	Bolt-on A	Resin	Copper alloy, tin-plated	4)	281.6	880.1	96	1	3-156-416

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

Breaking Capacity

1) 20 kA, L/R 2 ms

2) 25 kA, L/R 2 ms

3) 30 kA, L/R 5 ms

4) 50 kA, L/R 10 ms

Measurement Parameters: Pre-Arcing and Melting

250 VDC: I²t [kA²s] @20 kA

500 VDC: I²t [kA²s] @20 kA

500 VDC Dimension 50 x 53: I²t [kA²s] @50 kA

750 VDC: I²t [kA²s] @20 kA

750 VDC Dimension 50 x 72: I²t [kA²s] @50 kA

1000 VDC Dimension 62 x 72: I²t [kA²s] @25 kA

1000 VDC Dimension 50 x 74: I²t [kA²s] @30 kA

1000 VDC Dimension 50 x 72: I²t [kA²s] @50 kA

27.07.2026

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