HV Fuse, up to 1250 VAC / 1500 VDC, up to 2000 A



DIN-Rail - Indicator & Microswitch


Bolt-on / MSD


US Style Bolted Tag


Flush End - Indicator

500/1000/1500 VDC · HV Fuse

See below:
Approvals and Compliances

Description
- A comprehensive range of square-body fuses, engineered for industrial protection

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

Applications
- Charging Infrastructure
- Manual Service Disconnector
- Energy Storage System/ BESS: Pack, Rack, PCS, Section, Module, PDU
- Power conversion devices (UPS, inverter, rectifiers, drives)
- Industrial equipment (heaters, welding, metal etc. equipment)

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

Technical Data

Rated Voltage	500/1000/1500 VDC (1250 VAC available for selected series)
Rated current	50 - 2000 A
Breaking Capacity	up to 250 kA
Characteristic	HV Fuse
Mounting	Flush End, DIN-Rail, US style bolted, Bolt-on, MSD
Admissible Ambient Temp.	-40 °C to 125 °C
Material: Terminals	Copper alloy, tin-plated
Material: Tube	Ceramic
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: EKO

Approval Logo	Certificates	Certification Body	Description
c UL us	UL Approvals	UL	UR File Number: E531402
CCC	CCC Approvals	CCC	CCC Certificate Number: Refer to the link 'CCC-Approvals'

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

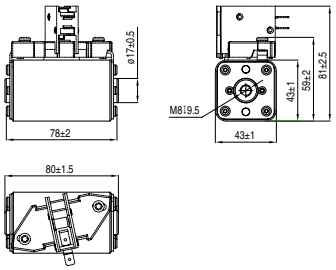
Compliances

The product complies with following Guide Lines

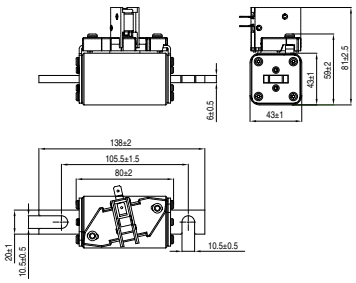
Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
RoHS	RoHS	SCHURTER 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]

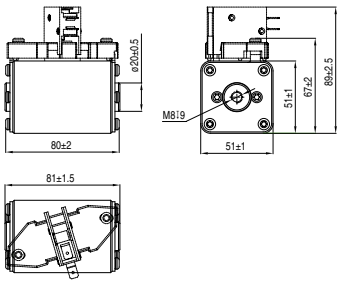
EK011 FLA (-LS)



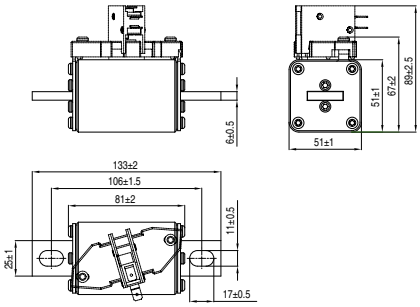
EK011 DIA (-LS)



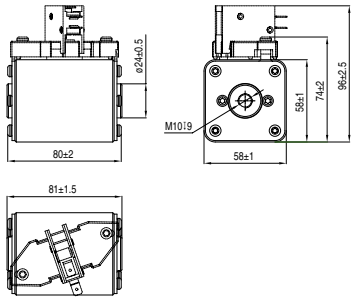
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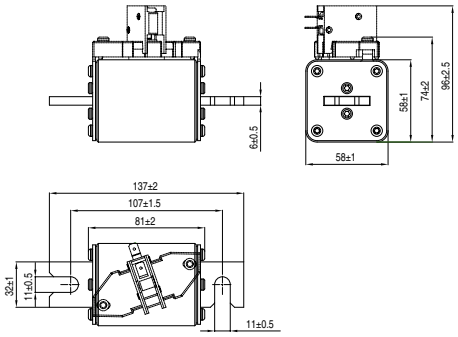
EK012 UBA (-LS)



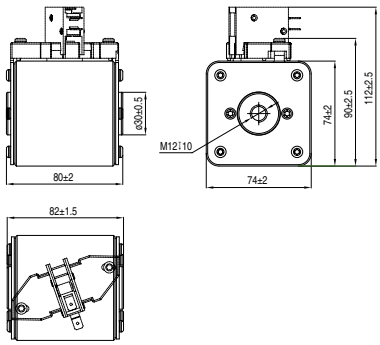
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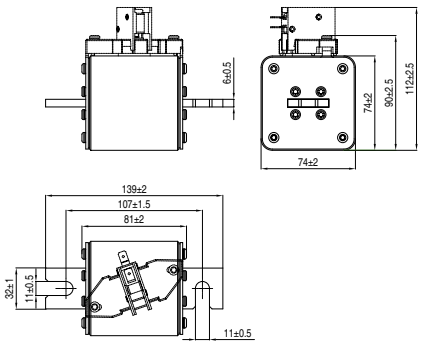
EK013 DIA (-LS)



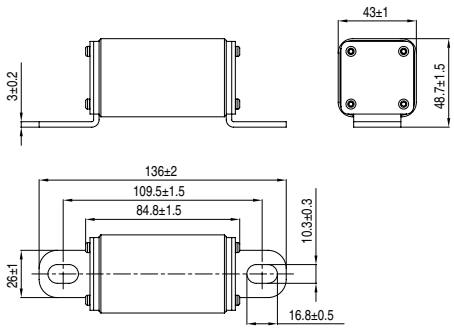
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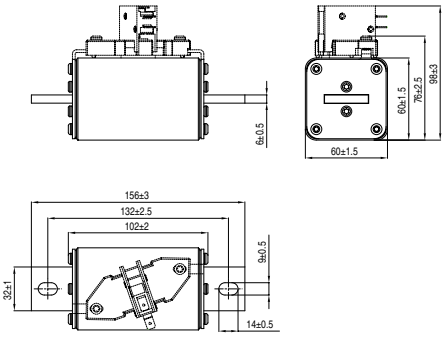
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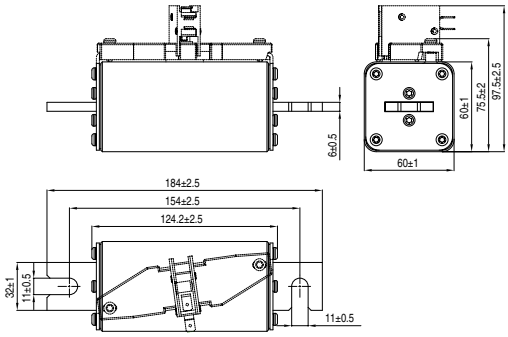
EK016 BOA



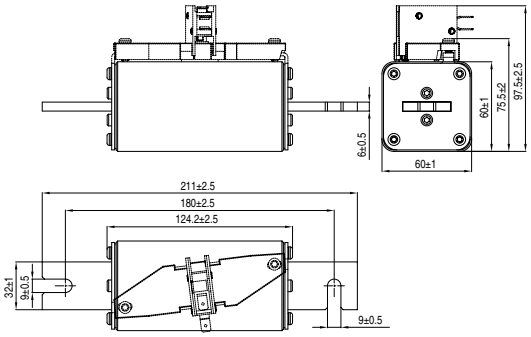
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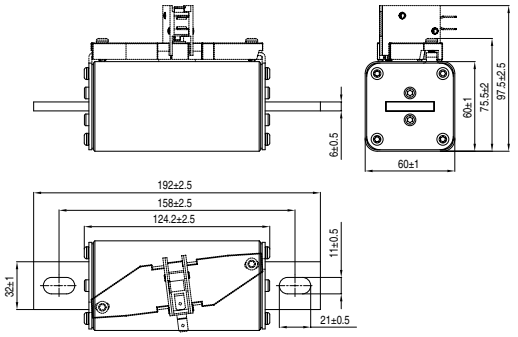
EK042 DIA (-LS)



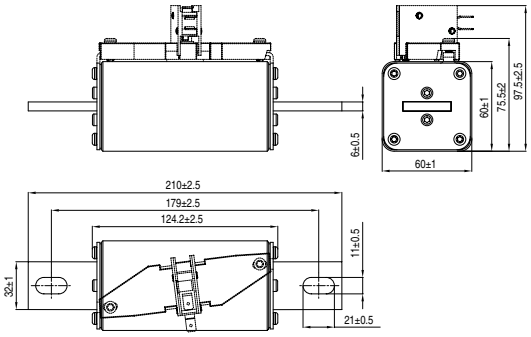
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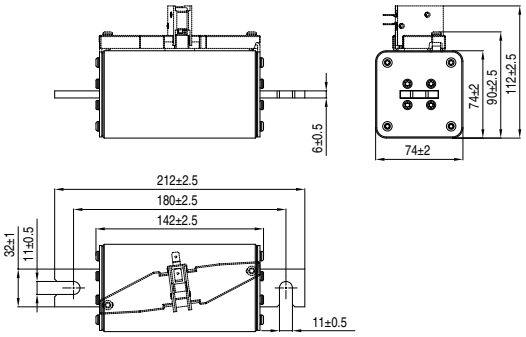
EK042 UBA (-LS)



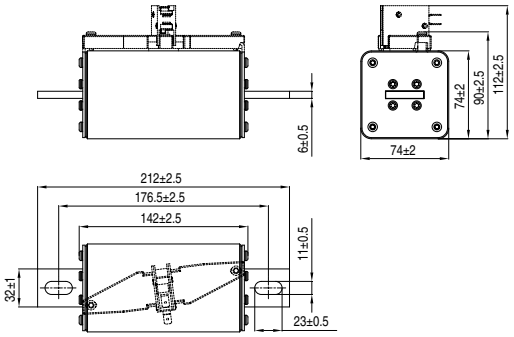
EK042 UBB (-LS)



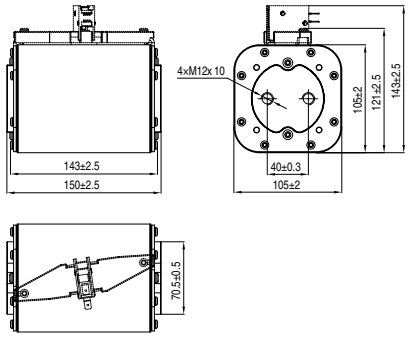
EK043 DIA (-LS)



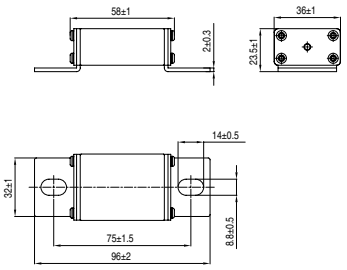
EK043 UBA (-LS)



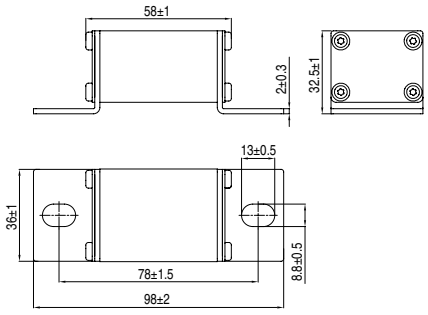
EK044 FLA (-LS)



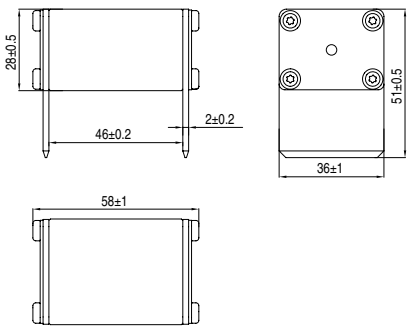
EK081 BOA



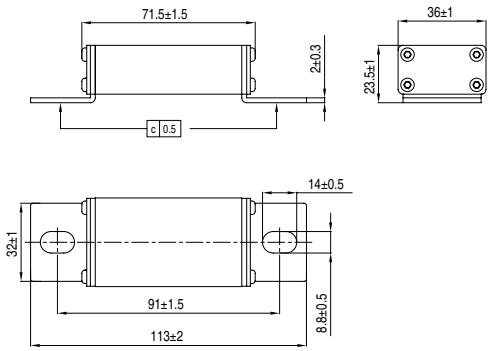
EK083 BOA



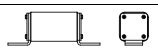
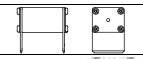
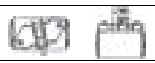
EK083 MSD



EK085 BOA

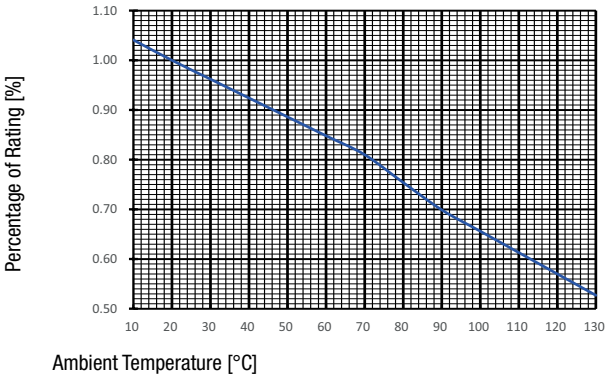


Assembly Instructions

-FL(*)		Mounting : Flush End
-DI(*)		Mounting: DIN Bolted Tag
-UB(*)		Mounting: US Style Bolted Tag
-BO(*)		Mounting: Bolt On
-MSD		Mounting: MSD specific
-LN		Accessory: Indicator
-LS		Accessory: Indicator with microswitch

Remark: (*) stand for terminal size variable, e.g. FLA, DIA, etc.

Derating Curves

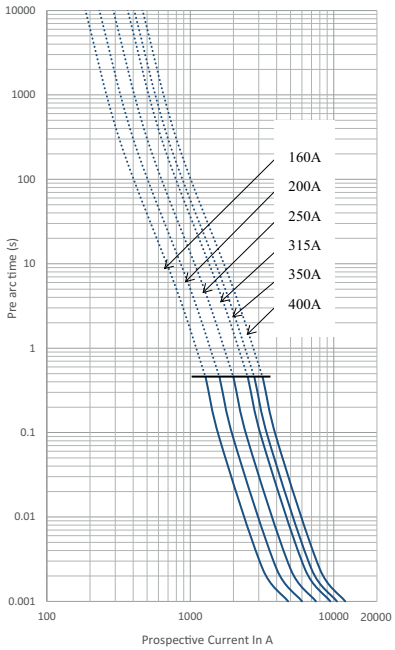


Pre-Arcing Time

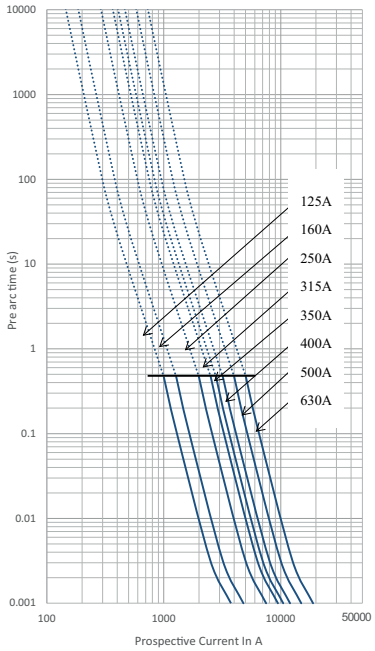
Rated Current In	5.0 x In min.	8.0 x In min.
50 A - 1100 A	1 s	0.02 s

Time-Current-Curves

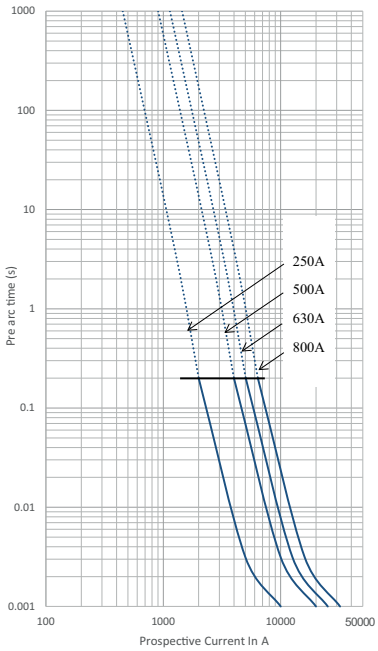
EKO11 160~400 A



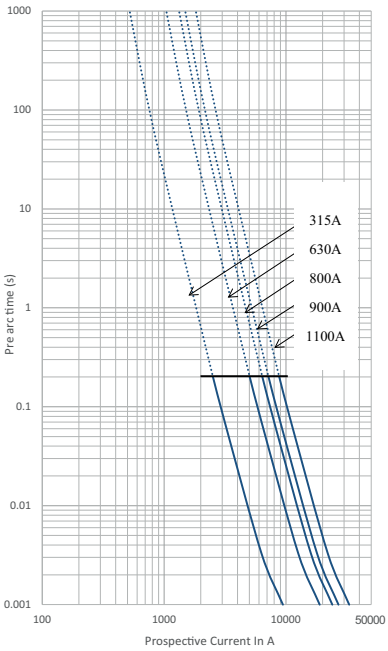
EKO12 125~630 A



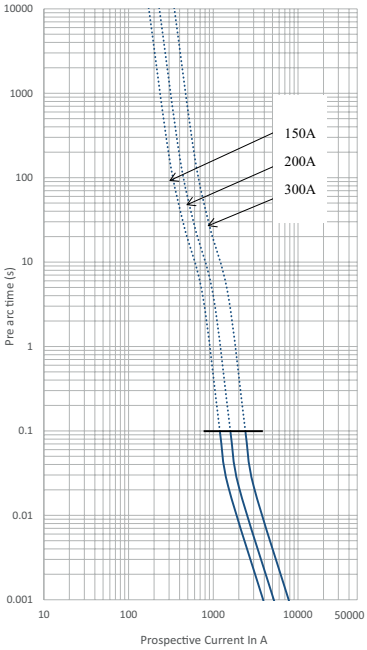
EKO13 250~800 A



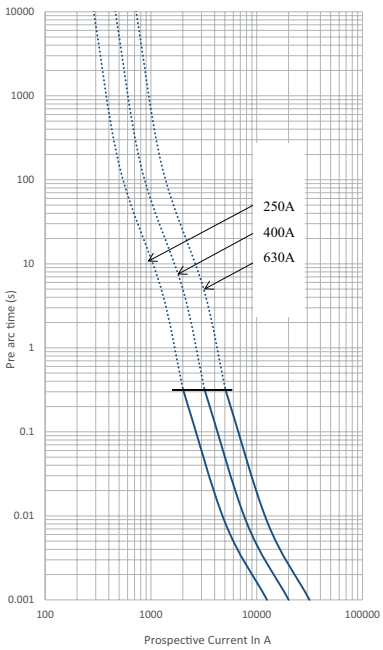
EKO14 315~1100 A



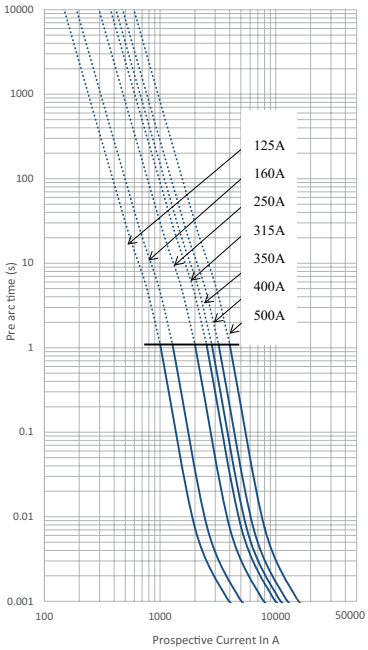
EKO16 150~300 A, 1500 VDC



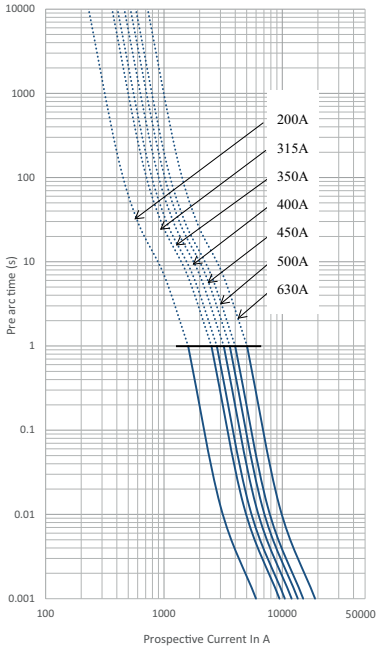
EKO41 250~630 A, 1500 VDC



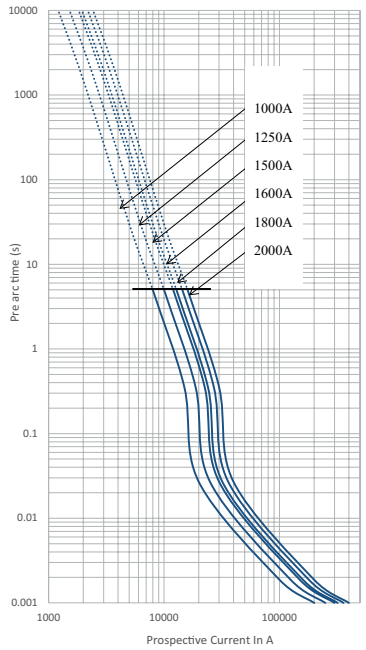
EKO42 125~500 A, 1500 VDC



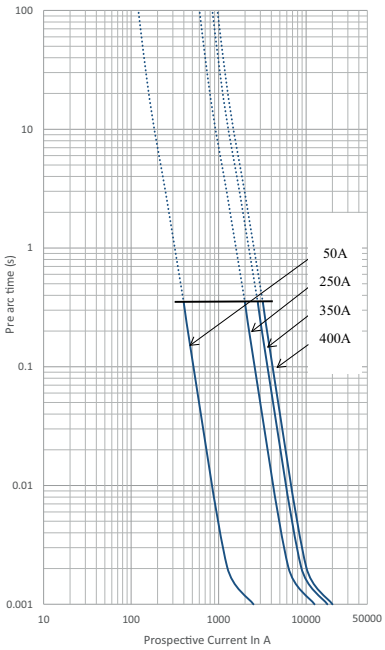
EKO43 200~630 A, 1500 VDC



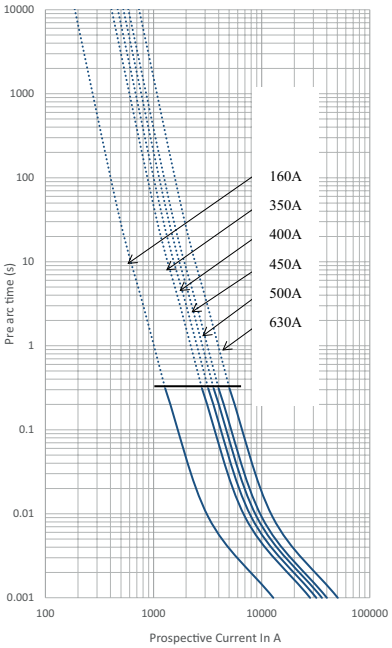
EKO44 1000~2000 A, 1500 VDC



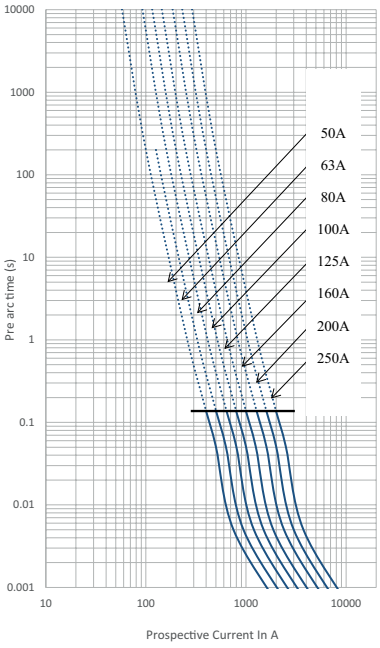
EKO81 50~400 A, 500 VDC



EKO83 160~630 A, 500 VDC



EKO85 50~250 A, 1000 VDC



Variants

Product Series	Rated Current [A]	Rated Voltage [VDC]	Rated Voltage [VAC]	Length [mm]	Width [mm]	Height [mm]	Mounting	Indicator	Micro Switch	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]	c UL us	VAC 1140	Packaging [PCS]	Order Number
EKO11	160	1000	1250	80	43	43	DIA			2)	18.3	50.4	23	●	●	60	8060.0065
EKO11	200	1000	1250	80	43	43	DIA			2)	28.5	78.8	28	●	●	60	8060.0066
EKO11	250	1000	1250	80	43	43	DIA			2)	44.6	123.1	38	●	●	60	8060.0067
EKO11	315	1000	1250	80	43	43	DIA			2)	70.8	195.4	46	●	●	60	8060.0068
EKO11	350	1000	1250	80	43	43	DIA			2)	87.4	241.2	50	●	●	60	8060.0069
EKO11	400	1000	1250	80	43	43	DIA			2)	114.1	315.1	64	●	●	60	8060.0070
EKO11	160	1000	1250	80	43	43	DIA	●		2)	18.3	50.4	23	●	●	60	8060.0076
EKO11	200	1000	1250	80	43	43	DIA	●		2)	28.5	78.8	28	●	●	60	8060.0077
EKO11	250	1000	1250	80	43	43	DIA	●		2)	44.6	123.1	38	●	●	60	8060.0078
EKO11	315	1000	1250	80	43	43	DIA	●		2)	70.8	195.4	46	●	●	60	8060.0079
EKO11	350	1000	1250	80	43	43	DIA	●		2)	87.4	241.2	50	●	●	60	8060.0080
EKO11	400	1000	1250	80	43	43	DIA	●		2)	114.1	315.1	64	●	●	60	8060.0081
EKO11	160	1000	1250	80	43	43	DIA	●	●	2)	18.3	50.4	23	●	●	60	3-158-368
EKO11	200	1000	1250	80	43	43	DIA	●	●	2)	28.5	78.8	28	●	●	60	3-158-369
EKO11	250	1000	1250	80	43	43	DIA	●	●	2)	44.6	123.1	38	●	●	60	3-158-387
EKO11	315	1000	1250	80	43	43	DIA	●	●	2)	70.8	195.4	46	●	●	60	3-158-388
EKO11	400	1000	1250	80	43	43	DIA	●	●	2)	114.1	315.1	64	●	●	60	3-158-389
EKO11	350	1000	1250	80	43	43	DIA	●	●	2)	87.4	241.2	50	●	●	60	3-158-466
EKO11	160	1000	1250	80	43	43	FLA			2)	18.3	50.4	23	●	●	60	8060.0025
EKO11	200	1000	1250	80	43	43	FLA			2)	28.5	78.8	28	●	●	60	8060.0026
EKO11	250	1000	1250	80	43	43	FLA			2)	44.6	123.1	38	●	●	60	8060.0027
EKO11	315	1000	1250	80	43	43	FLA			2)	70.8	195.4	46	●	●	60	8060.0028
EKO11	350	1000	1250	80	43	43	FLA			2)	87.4	241.2	50	●	●	60	8060.0029
EKO11	400	1000	1250	80	43	43	FLA			2)	114.1	315.1	64	●	●	60	8060.0030
EKO11	160	1000	1250	80	43	43	FLA	●		2)	18.3	50.4	23	●	●	60	8060.0036
EKO11	200	1000	1250	80	43	43	FLA	●		2)	28.5	78.8	28	●	●	60	8060.0037
EKO11	250	1000	1250	80	43	43	FLA	●		2)	44.6	123.1	38	●	●	60	8060.0038
EKO11	315	1000	1250	80	43	43	FLA	●		2)	70.8	195.4	46	●	●	60	8060.0039
EKO11	350	1000	1250	80	43	43	FLA	●		2)	87.4	241.2	50	●	●	60	8060.0040
EKO11	400	1000	1250	80	43	43	FLA	●		2)	114.1	315.1	64	●	●	60	8060.0041
EKO11	160	1000	1250	80	43	43	FLA	●	●	2)	18.3	50.4	23	●	●	60	3-158-362
EKO11	200	1000	1250	80	43	43	FLA	●	●	2)	28.5	78.8	28	●	●	60	3-158-363
EKO11	250	1000	1250	80	43	43	FLA	●	●	2)	44.6	123.1	38	●	●	60	3-158-364
EKO11	315	1000	1250	80	43	43	FLA	●	●	2)	70.8	195.4	46	●	●	60	3-158-365
EKO11	350	1000	1250	80	43	43	FLA	●	●	2)	87.4	241.2	50	●	●	60	3-158-366
EKO11	400	1000	1250	80	43	43	FLA	●	●	2)	114.1	315.1	64	●	●	60	3-158-367
EKO12	125	1000	-	81	51	51	FLA			1)	7.83	37.4	20	●	●	60	8060.0140
EKO12	160	1000	-	81	51	51	FLA			1)	19.7	61.3	23	●	●	60	8060.0141
EKO12	250	1000	-	81	51	51	FLA			1)	35.26	104.87	41	●	●	60	8060.0143
EKO12	315	1000	-	81	51	51	FLA			1)	76.4	185.84	48	●	●	60	8060.0144
EKO12	350	1000	-	81	51	51	FLA			1)	94.3	225.02	52	●	●	60	8060.0145
EKO12	400	1000	-	81	51	51	FLA			1)	123.2	255.96	62	●	●	60	8060.0146
EKO12	500	1000	-	81	51	51	FLA			1)	192.4	446.9	74	●	●	60	8060.0148
EKO12	630	1000	-	81	51	51	FLA			1)	385.9	692.82	95	●	●	60	8060.0149

Product Series	Rated Current [A]	Rated Voltage [VDC]	Rated Voltage [VAC]	Length [mm]	Width [mm]	Height [mm]	Mounting	Indicator	Micro Switch	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]	c UL us	VAC 1140	Packaging [PCS]	Order Number
EK012	125	1000	-	81	51	51	FLA	●		1)	7.83	37.4	20	●	●	60	8060.0150
EK012	160	1000	-	81	51	51	FLA	●		1)	19.7	61.3	23	●	●	60	8060.0151
EK012	250	1000	-	81	51	51	FLA	●		1)	35.26	104.87	41	●	●	60	8060.0153
EK012	315	1000	-	81	51	51	FLA	●		1)	76.4	185.84	48	●	●	60	8060.0154
EK012	350	1000	-	81	51	51	FLA	●		1)	94.3	225.02	52	●	●	60	8060.0155
EK012	400	1000	-	81	51	51	FLA	●		1)	123.2	255.96	62	●	●	60	8060.0156
EK012	500	1000	-	81	51	51	FLA	●		1)	192.4	446.9	74	●	●	60	8060.0158
EK012	630	1000	-	81	51	51	FLA	●		1)	385.9	692.82	95	●	●	60	8060.0159
EK012	125	1000	-	81	51	51	FLA	●	●	1)	7.83	37.4	20	●	●	60	3-158-390
EK012	250	1000	-	81	51	51	FLA	●	●	1)	35.26	104.87	41	●	●	60	3-158-391
EK012	315	1000	-	81	51	51	FLA	●	●	1)	76.4	185.84	48	●	●	60	3-158-392
EK012	350	1000	-	81	51	51	FLA	●	●	1)	94.3	225.02	52	●	●	60	3-158-393
EK012	400	1000	-	81	51	51	FLA	●	●	1)	123.2	255.96	62	●	●	60	3-158-394
EK012	500	1000	-	81	51	51	FLA	●	●	1)	192.4	446.9	74	●	●	60	3-158-395
EK012	630	1000	-	81	51	51	FLA	●	●	1)	385.9	692.82	95	●	●	60	3-158-396
EK012	160	1000	-	81	51	51	FLA	●	●	1)	19.7	61.3	23	●	●	60	3-158-397
EK012	125	1000	-	81	51	51	UBA			1)	7.83	37.4	20	●	●	60	8060.0170
EK012	160	1000	-	81	51	51	UBA			1)	19.7	61.3	23	●	●	60	8060.0171
EK012	250	1000	-	81	51	51	UBA			1)	35.26	104.87	41	●	●	60	8060.0173
EK012	315	1000	-	81	51	51	UBA			1)	76.4	185.84	48	●	●	60	8060.0174
EK012	350	1000	-	81	51	51	UBA			1)	94.3	225.02	52	●	●	60	8060.0175
EK012	400	1000	-	81	51	51	UBA			1)	123.2	255.96	62	●	●	60	8060.0176
EK012	500	1000	-	81	51	51	UBA			1)	192.4	446.9	74	●	●	60	8060.0178
EK012	630	1000	-	81	51	51	UBA			1)	385.9	692.82	95	●	●	60	8060.0179
EK012	125	1000	-	81	51	51	UBA	●		1)	7.83	37.4	20	●	●	60	8060.0180
EK012	160	1000	-	81	51	51	UBA	●		1)	19.7	61.3	23	●	●	60	8060.0181
EK012	250	1000	-	81	51	51	UBA	●		1)	35.26	104.87	41	●	●	60	8060.0183
EK012	315	1000	-	81	51	51	UBA	●		1)	76.4	185.84	48	●	●	60	8060.0184
EK012	350	1000	-	81	51	51	UBA	●		1)	94.3	225.02	52	●	●	60	8060.0185
EK012	400	1000	-	81	51	51	UBA	●		1)	123.2	255.96	62	●	●	60	8060.0186
EK012	500	1000	-	81	51	51	UBA	●		1)	192.4	446.9	74	●	●	60	8060.0188
EK012	630	1000	-	81	51	51	UBA	●		1)	385.9	692.82	95	●	●	60	8060.0189
EK012	125	1000	-	81	51	51	UBA	●	●	1)	7.83	37.4	20	●	●	60	3-158-398
EK012	315	1000	-	81	51	51	UBA	●	●	1)	76.4	185.84	48	●	●	60	3-158-401
EK012	350	1000	-	81	51	51	UBA	●	●	1)	94.3	225.02	52	●	●	60	3-158-402
EK012	400	1000	-	81	51	51	UBA	●	●	1)	123.2	255.96	62	●	●	60	3-158-403
EK012	500	1000	-	81	51	51	UBA	●	●	1)	192.4	446.9	74	●	●	60	3-158-404
EK012	630	1000	-	81	51	51	UBA	●	●	1)	385.9	692.82	95	●	●	60	3-158-405
EK012	250	1000	-	81	51	51	UBA	●	●	1)	35.26	104.87	41	●	●	60	3-158-465
EK012	160	1000	-	81	51	51	UBA	●	●	1)	19.7	61.3	23	●	●	60	3-159-088
EK013	250	1000	1250	81	58	58	DIA			2)	29.8	93.1	41		●	24	8060.0240
EK013	500	1000	1250	81	58	58	DIA			2)	224.51	447.54	74		●	24	8060.0245
EK013	630	1000	1250	81	58	58	DIA			2)	385.62	591	92		●	24	8060.0246
EK013	800	1000	1250	81	58	58	DIA			2)	653.19	953	120		●	24	8060.0248
EK013	250	1000	1250	81	58	58	DIA	●		2)	29.8	93.1	41		●	24	8060.0249

Product Series	Rated Current [A]	Rated Voltage [VDC]	Rated Voltage [VAC]	Length [mm]	Width [mm]	Height [mm]	Mounting	Indicator	Micro Switch	Breaking Capacity	Pre-arcing I²t typ. k[A²s]	Melting I²t typ. k[A²s]	Power Dissipation 1.0 I_n typ. [W]	c UL us	VAC 1140	Packaging [PCS]	Order Number
EK013	500	1000	1250	81	58	58	DIA	●		2)	224.51	447.54	74		●	24	8060.0254
EK013	630	1000	1250	81	58	58	DIA	●		2)	385.62	591	92		●	24	8060.0255
EK013	800	1000	1250	81	58	58	DIA	●		2)	653.19	953	120		●	24	8060.0257
EK013	250	1000	1250	81	58	58	DIA	●	●	2)	29.8	93.1	41		●	24	3-158-410
EK013	500	1000	1250	81	58	58	DIA	●	●	2)	224.51	447.54	74		●	24	3-158-411
EK013	630	1000	1250	81	58	58	DIA	●	●	2)	385.62	591	92		●	24	3-158-412
EK013	800	1000	1250	81	58	58	DIA	●	●	2)	653.19	953	120		●	24	3-158-413
EK013	250	1000	1250	81	58	58	FLA			2)	29.8	93.1	41		●	24	8060.0210
EK013	500	1000	1250	81	58	58	FLA			2)	224.51	447.54	74		●	24	8060.0215
EK013	630	1000	1250	81	58	58	FLA			2)	385.62	591	92		●	24	8060.0216
EK013	800	1000	1250	81	58	58	FLA			2)	653.19	953	120		●	24	8060.0218
EK013	250	1000	1250	81	58	58	FLA	●		2)	29.8	93.1	41		●	24	8060.0219
EK013	500	1000	1250	81	58	58	FLA	●		2)	224.51	447.54	74		●	24	8060.0224
EK013	630	1000	1250	81	58	58	FLA	●		2)	385.62	591	92		●	24	8060.0225
EK013	800	1000	1250	81	58	58	FLA	●		2)	653.19	953	120		●	24	8060.0227
EK013	250	1000	1250	81	58	58	FLA	●	●	2)	29.8	93.1	41		●	24	3-158-406
EK013	500	1000	1250	81	58	58	FLA	●	●	2)	224.51	447.54	74		●	24	3-158-407
EK013	630	1000	1250	81	58	58	FLA	●	●	2)	385.62	591	92		●	24	3-158-408
EK013	800	1000	1250	81	58	58	FLA	●	●	2)	653.19	953	120		●	24	3-158-409
EK014	315	1000	1250	82	74	74	DIA			2)	79.02	195.69	48	●	●	12	8060.0398
EK014	630	1000	1250	82	74	74	DIA			2)	385.62	695.02	95	●	●	12	8060.0407
EK014	800	1000	1250	82	74	74	DIA			2)	653.19	1075.72	121	●	●	12	8060.0410
EK014	900	1000	1250	82	74	74	DIA			2)	1311.73	2041.7	130	●	●	12	8060.0412
EK014	1100	1000	1250	82	74	74	DIA			2)	1590	3050	151	●	●	12	8060.0415
EK014	315	1000	1250	82	74	74	DIA	●		2)	79.02	195.69	48	●	●	12	8060.0416
EK014	630	1000	1250	82	74	74	DIA	●		2)	385.62	695.02	95	●	●	12	8060.0425
EK014	800	1000	1250	82	74	74	DIA	●		2)	653.19	1075.72	121	●	●	12	8060.0428
EK014	900	1000	1250	82	74	74	DIA	●		2)	1311.73	2041.7	130	●	●	12	8060.0430
EK014	2000	1000	1250	82	74	74	DIA	●		2)	1590	3050	151	●	●	12	8060.0433
EK014	315	1000	1250	82	74	74	DIA	●	●	2)	79.02	195.69	48	●	●	12	3-158-420
EK014	630	1000	1250	82	74	74	DIA	●	●	2)	385.62	695.02	95	●	●	12	3-158-422
EK014	800	1000	1250	82	74	74	DIA	●	●	2)	653.19	1075.72	121	●	●	12	3-158-423
EK014	900	1000	1250	82	74	74	DIA	●	●	2)	1311.73	2041.7	130	●	●	12	3-158-424
EK014	2000	1000	1250	82	74	74	DIA	●	●	2)	1590	3050	151	●	●	12	3-158-425
EK014	315	1000	1250	82	74	74	FLA			2)	79.02	195.69	48	●	●	24	8060.0290
EK014	630	1000	1250	82	74	74	FLA			2)	385.62	695.02	95	●	●	24	8060.0299
EK014	800	1000	1250	82	74	74	FLA			2)	653.19	1075.72	121	●	●	24	8060.0302
EK014	900	1000	1250	82	74	74	FLA			2)	1311.73	2041.7	130	●	●	24	8060.0304
EK014	2000	1000	1250	82	74	74	FLA			2)	1590	3050	151	●	●	24	8060.0307
EK014	315	1000	1250	82	74	74	FLA	●		2)	79.02	195.69	48	●	●	24	8060.0308
EK014	630	1000	1250	82	74	74	FLA	●		2)	385.62	695.02	95	●	●	24	8060.0317
EK014	800	1000	1250	82	74	74	FLA	●		2)	653.19	1075.72	121	●	●	24	8060.0320
EK014	900	1000	1250	82	74	74	FLA	●		2)	1311.73	2041.7	130	●	●	24	8060.0322
EK014	2000	1000	1250	82	74	74	FLA	●		2)	1590	3050	151	●	●	24	8060.0325
EK014	315	1000	1250	82	74	74	FLA	●	●	2)	79.02	195.69	48	●	●	24	3-158-415

Product Series	Rated Current [A]	Rated Voltage [VDC]	Rated Voltage [VAC]	Length [mm]	Width [mm]	Height [mm]	Mounting	Indicator	Micro Switch	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]	cULus	VAC 1140	Packaging [PCS]	Order Number
EK014	630	1000	1250	82	74	74	FLA	●	●	2)	385.62	695.02	95	●	●	24	3-158-416
EK014	800	1000	1250	82	74	74	FLA	●	●	2)	653.19	1075.72	121	●	●	24	3-158-417
EK014	900	1000	1250	82	74	74	FLA	●	●	2)	1311.73	2041.7	130	●	●	24	3-158-418
EK014	2000	1000	1250	82	74	74	FLA	●	●	2)	1590	3050	151	●	●	24	3-158-419
EK016	150	1500	-	84	43	43	BOA			4)	14.18	28.45	32	●	●	40	3-163-702
EK016	200	1500	-	84	43	43	BOA			4)	24.13	44.63	36	●	●	40	3-163-703
EK016	300	1500	-	84	43	43	BOA			4)	50	99.76	60	●	●	40	3-163-704
EK041	250	1500	-	102	60	60	UBA			3)	103	169.66	51	●	●	12	3-163-705
EK041	400	1500	-	102	60	60	UBA			3)	279	397.98	80	●	●	12	3-163-706
EK041	630	1500	-	102	60	60	UBA			3)	806	1400	127	●	●	12	3-163-707
EK041	250	1500	-	102	60	60	UBA	●		3)	103	169.66	51	●	●	18	3-163-708
EK041	400	1500	-	102	60	60	UBA	●		3)	279	397.98	80	●	●	18	3-163-709
EK041	630	1500	-	102	60	60	UBA	●		3)	806	1400	127	●	●	18	3-163-710
EK041	250	1500	-	102	60	60	UBA	●	●	3)	103	169.66	51	●	●	18	3-163-711
EK041	400	1500	-	102	60	60	UBA	●	●	3)	279	397.98	80	●	●	18	3-163-712
EK041	630	1500	-	102	60	60	UBA	●	●	3)	806	1400	127	●	●	18	3-163-713
EK042	125	1500	-	124	60	60	DIA			6)	2.5	40.2	48	●	●	12	3-163-714
EK042	160	1500	-	124	60	60	DIA			6)	7.3	66.7	55	●	●	12	3-163-715
EK042	250	1500	-	124	60	60	DIA			6)	29.8	223.38	67	●	●	12	3-163-716
EK042	315	1500	-	124	60	60	DIA			6)	48.67	332.68	83	●	●	12	3-163-717
EK042	350	1500	-	124	60	60	DIA			6)	77.15	438.58	93	●	●	12	3-163-718
EK042	400	1500	-	124	60	60	DIA			6)	99.98	515.49	100	●	●	12	3-163-719
EK042	500	1500	-	124	60	60	DIA			6)	191.6	786.3	110	●	●	12	3-163-720
EK042	125	1500	-	124	60	60	DIA	●		6)	2.5	40.2	48	●	●	9	3-163-721
EK042	160	1500	-	124	60	60	DIA	●		6)	7.3	66.7	55	●	●	9	3-163-722
EK042	250	1500	-	124	60	60	DIA	●		6)	29.8	223.38	67	●	●	9	3-163-723
EK042	315	1500	-	124	60	60	DIA	●		6)	48.67	332.68	83	●	●	9	3-163-724
EK042	350	1500	-	124	60	60	DIA	●		6)	77.15	438.58	93	●	●	9	3-163-725
EK042	400	1500	-	124	60	60	DIA	●		6)	99.98	515.49	100	●	●	9	3-163-726
EK042	500	1500	-	124	60	60	DIA	●		6)	191.6	786.3	110	●	●	9	3-163-727
EK042	125	1500	-	124	60	60	DIA	●	●	6)	2.5	40.2	48	●	●	9	3-163-728
EK042	160	1500	-	124	60	60	DIA	●	●	6)	7.3	66.7	55	●	●	9	3-163-729
EK042	250	1500	-	124	60	60	DIA	●	●	6)	29.8	223.38	67	●	●	9	3-163-730
EK042	315	1500	-	124	60	60	DIA	●	●	6)	48.67	332.68	83	●	●	9	3-163-731
EK042	350	1500	-	124	60	60	DIA	●	●	6)	77.15	438.58	93	●	●	9	3-163-732
EK042	400	1500	-	124	60	60	DIA	●	●	6)	99.98	515.49	100	●	●	9	3-163-733
EK042	500	1500	-	124	60	60	DIA	●	●	6)	191.6	786.3	110	●	●	9	3-163-734
EK042	125	1500	-	124	60	60	DIB			6)	2.5	40.2	48	●	●	12	3-163-735
EK042	160	1500	-	124	60	60	DIB			6)	7.3	66.7	55	●	●	12	3-163-736
EK042	250	1500	-	124	60	60	DIB			6)	29.8	223.38	67	●	●	12	3-163-737
EK042	315	1500	-	124	60	60	DIB			6)	48.67	332.68	83	●	●	12	3-163-738
EK042	350	1500	-	124	60	60	DIB			6)	77.15	438.58	93	●	●	12	3-163-739
EK042	400	1500	-	124	60	60	DIB			6)	99.98	515.49	100	●	●	12	3-163-740
EK042	500	1500	-	124	60	60	DIB			6)	191.6	786.3	110	●	●	12	3-163-741
EK042	125	1500	-	124	60	60	DIB	●		6)	2.5	40.2	48	●	●	9	3-163-742

Product Series	Rated Current [A]	Rated Voltage [VDC]	Rated Voltage [VAC]	Length [mm]	Width [mm]	Height [mm]	Mounting	Indicator	Micro Switch	Breaking Capacity	Pre-arcing I²t typ. k[A²s]	Melting I²t typ. k[A²s]	Power Dissipation 1.0 I_n typ. [W]	cULus	VAC 1140	Packaging [PCS]	Order Number
EK042	160	1500	-	124	60	60	DIB	●		6)	7.3	66.7	55	●	●	9	3-163-743
EK042	250	1500	-	124	60	60	DIB	●		6)	29.8	223.38	67	●	●	9	3-163-744
EK042	315	1500	-	124	60	60	DIB	●		6)	48.67	332.68	83	●	●	9	3-163-745
EK042	350	1500	-	124	60	60	DIB	●		6)	77.15	438.58	93	●	●	9	3-163-746
EK042	400	1500	-	124	60	60	DIB	●		6)	99.98	515.49	100	●	●	9	3-163-747
EK042	500	1500	-	124	60	60	DIB	●		6)	191.6	786.3	110	●	●	9	3-163-748
EK042	125	1500	-	124	60	60	DIB	●	●	6)	2.5	40.2	48	●	●	9	3-163-749
EK042	160	1500	-	124	60	60	DIB	●	●	6)	7.3	66.7	55	●	●	9	3-163-750
EK042	250	1500	-	124	60	60	DIB	●	●	6)	29.8	223.38	67	●	●	9	3-163-751
EK042	315	1500	-	124	60	60	DIB	●	●	6)	48.67	332.68	83	●	●	9	3-163-752
EK042	350	1500	-	124	60	60	DIB	●	●	6)	77.15	438.58	93	●	●	9	3-163-753
EK042	400	1500	-	124	60	60	DIB	●	●	6)	99.98	515.49	100	●	●	9	3-163-754
EK042	500	1500	-	124	60	60	DIB	●	●	6)	191.6	786.3	110	●	●	9	3-163-755
EK042	125	1500	-	124	60	60	UBA			6)	2.5	40.2	48	●	●	12	3-163-756
EK042	160	1500	-	124	60	60	UBA			6)	7.3	66.7	55	●	●	12	3-163-757
EK042	250	1500	-	124	60	60	UBA			6)	29.8	223.38	67	●	●	12	3-163-758
EK042	315	1500	-	124	60	60	UBA			6)	48.67	332.68	83	●	●	12	3-163-759
EK042	350	1500	-	124	60	60	UBA			6)	77.15	438.58	93	●	●	12	3-163-760
EK042	400	1500	-	124	60	60	UBA			6)	99.98	515.49	100	●	●	12	3-163-761
EK042	500	1500	-	124	60	60	UBA			6)	191.6	786.3	110	●	●	12	3-163-762
EK042	125	1500	-	124	60	60	UBA	●		6)	2.5	40.2	48	●	●	9	3-163-763
EK042	160	1500	-	124	60	60	UBA	●		6)	7.3	66.7	55	●	●	9	3-163-764
EK042	250	1500	-	124	60	60	UBA	●		6)	29.8	223.38	67	●	●	9	3-163-765
EK042	315	1500	-	124	60	60	UBA	●		6)	48.67	332.68	83	●	●	9	3-163-766
EK042	350	1500	-	124	60	60	UBA	●		6)	77.15	438.58	93	●	●	9	3-163-767
EK042	400	1500	-	124	60	60	UBA	●		6)	99.98	515.49	100	●	●	9	3-163-768
EK042	500	1500	-	124	60	60	UBA	●		6)	191.6	786.3	110	●	●	9	3-163-769
EK042	125	1500	-	124	60	60	UBA	●	●	6)	2.5	40.2	48	●	●	9	3-163-770
EK042	160	1500	-	124	60	60	UBA	●	●	6)	7.3	66.7	55	●	●	9	3-163-771
EK042	250	1500	-	124	60	60	UBA	●	●	6)	29.8	223.38	67	●	●	9	3-163-772
EK042	315	1500	-	124	60	60	UBA	●	●	6)	48.67	332.68	83	●	●	9	3-163-773
EK042	350	1500	-	124	60	60	UBA	●	●	6)	77.15	438.58	93	●	●	9	3-163-774
EK042	400	1500	-	124	60	60	UBA	●	●	6)	99.98	515.49	100	●	●	9	3-163-775
EK042	500	1500	-	124	60	60	UBA	●	●	6)	191.6	786.3	110	●	●	9	3-163-776
EK042	160	1500	-	124	60	60	UBB			6)	7.3	66.7	55	●	●	12	3-163-777
EK042	250	1500	-	124	60	60	UBB			6)	29.8	223.38	67	●	●	12	3-163-778
EK042	315	1500	-	124	60	60	UBB			6)	48.67	332.68	83	●	●	12	3-163-779
EK042	350	1500	-	124	60	60	UBB			6)	77.15	438.58	93	●	●	12	3-163-780
EK042	400	1500	-	124	60	60	UBB			6)	99.98	515.49	100	●	●	12	3-163-781
EK042	500	1500	-	124	60	60	UBB			6)	191.6	786.3	110	●	●	12	3-163-782
EK042	125	1500	-	124	60	60	UBB			6)	2.5	40.2	48	●	●	12	3-164-171
EK042	125	1500	-	124	60	60	UBB	●		6)	2.5	40.2	48	●	●	9	3-163-783
EK042	160	1500	-	124	60	60	UBB	●		6)	7.3	66.7	55	●	●	9	3-163-784
EK042	250	1500	-	124	60	60	UBB	●		6)	29.8	223.38	67	●	●	9	3-163-785
EK042	315	1500	-	124	60	60	UBB	●		6)	48.67	332.68	83	●	●	9	3-163-786

Product Series	Rated Current [A]	Rated Voltage [VDC]	Rated Voltage [VAC]	Length [mm]	Width [mm]	Height [mm]	Mounting	Indicator	Micro Switch	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]	cULus	VAC 1140	Packaging [PCS]	Order Number
EK042	350	1500	-	124	60	60	UBB	●		6)	77.15	438.58	93	●	●	9	3-163-787
EK042	400	1500	-	124	60	60	UBB	●		6)	99.98	515.49	100	●	●	9	3-163-788
EK042	500	1500	-	124	60	60	UBB	●		6)	191.6	786.3	110	●	●	9	3-163-789
EK042	125	1500	-	124	60	60	UBB	●	●	6)	2.5	40.2	48	●	●	9	3-163-790
EK042	160	1500	-	124	60	60	UBB	●	●	6)	7.3	66.7	55	●	●	9	3-163-791
EK042	250	1500	-	124	60	60	UBB	●	●	6)	29.8	223.38	67	●	●	9	3-163-792
EK042	315	1500	-	124	60	60	UBB	●	●	6)	48.67	332.68	83	●	●	9	3-163-793
EK042	350	1500	-	124	60	60	UBB	●	●	6)	77.15	438.58	93	●	●	9	3-163-794
EK042	400	1500	-	124	60	60	UBB	●	●	6)	99.98	515.49	100	●	●	9	3-163-795
EK042	500	1500	-	124	60	60	UBB	●	●	6)	191.6	786.3	110	●	●	9	3-163-796
EK043	200	1500	-	142	74	74	DIA			6)	17.77	152.2	65		●	6	3-163-818
EK043	315	1500	-	142	74	74	DIA			6)	58.1	352.02	78		●	6	3-163-819
EK043	350	1500	-	142	74	74	DIA			6)	77.34	431.28	84		●	6	3-163-820
EK043	400	1500	-	142	74	74	DIA			6)	99.66	515.9	97		●	6	3-163-821
EK043	450	1500	-	142	74	74	DIA			6)	125.2	606.29	109		●	6	3-163-822
EK043	500	1500	-	142	74	74	DIA			6)	186.3	804.49	113		●	6	3-163-823
EK043	630	1500	-	142	74	74	DIA			6)	332.7	946.86	133		●	6	3-163-824
EK043	200	1500	-	142	74	74	DIA	●		6)	17.77	152.2	65		●	6	3-163-825
EK043	315	1500	-	142	74	74	DIA	●		6)	58.1	352.02	78		●	6	3-163-826
EK043	350	1500	-	142	74	74	DIA	●		6)	77.34	431.28	84		●	6	3-163-827
EK043	400	1500	-	142	74	74	DIA	●		6)	99.66	515.9	97		●	6	3-163-828
EK043	450	1500	-	142	74	74	DIA	●		6)	125.2	606.29	109		●	6	3-163-829
EK043	500	1500	-	142	74	74	DIA	●		6)	186.3	804.49	113		●	6	3-163-830
EK043	630	1500	-	142	74	74	DIA	●		6)	332.7	946.86	133		●	6	3-163-831
EK043	200	1500	-	142	74	74	DIA	●	●	6)	17.77	152.2	65		●	6	3-163-832
EK043	315	1500	-	142	74	74	DIA	●	●	6)	58.1	352.02	78		●	6	3-163-833
EK043	350	1500	-	142	74	74	DIA	●	●	6)	77.34	431.28	84		●	6	3-163-834
EK043	400	1500	-	142	74	74	DIA	●	●	6)	99.66	515.9	97		●	6	3-163-835
EK043	450	1500	-	142	74	74	DIA	●	●	6)	125.2	606.29	109		●	6	3-163-836
EK043	500	1500	-	142	74	74	DIA	●	●	6)	186.3	804.49	113		●	6	3-163-837
EK043	630	1500	-	142	74	74	DIA	●	●	6)	332.7	946.86	133		●	6	3-163-838
EK043	200	1500	-	142	74	74	UBA			6)	17.77	152.2	65		●	6	3-163-797
EK043	315	1500	-	142	74	74	UBA			6)	58.1	352.02	78		●	6	3-163-798
EK043	350	1500	-	142	74	74	UBA			6)	77.34	431.28	84		●	6	3-163-799
EK043	400	1500	-	142	74	74	UBA			6)	99.66	515.9	97		●	6	3-163-800
EK043	450	1500	-	142	74	74	UBA			6)	125.2	606.29	109		●	6	3-163-801
EK043	500	1500	-	142	74	74	UBA			6)	186.3	804.49	113		●	6	3-163-802
EK043	630	1500	-	142	74	74	UBA			6)	332.7	946.86	133		●	6	3-163-803
EK043	200	1500	-	142	74	74	UBA	●		6)	17.77	152.2	65		●	6	3-163-804
EK043	315	1500	-	142	74	74	UBA	●		6)	58.1	352.02	78		●	6	3-163-805
EK043	350	1500	-	142	74	74	UBA	●		6)	77.34	431.28	84		●	6	3-163-806
EK043	400	1500	-	142	74	74	UBA	●		6)	99.66	515.9	97		●	6	3-163-807
EK043	450	1500	-	142	74	74	UBA	●		6)	125.2	606.29	109		●	6	3-163-808
EK043	500	1500	-	142	74	74	UBA	●		6)	186.3	804.49	113		●	6	3-163-809
EK043	630	1500	-	142	74	74	UBA	●		6)	332.7	946.86	133		●	6	3-163-810

Product Series	Rated Current [A]	Rated Voltage [VDC]	Rated Voltage [VAC]	Length [mm]	Width [mm]	Height [mm]	Mounting	Indicator	Micro Switch	Breaking Capacity	Pre-arcing I²t typ. k[A²s]	Melting I²t typ. k[A²s]	Power Dissipation 1.0 I_n typ. [W]	c UL us	VAC 1140	Packaging [PCS]	Order Number
EK043	200	1500	-	142	74	74	UBA	●	●	6)	17.77	152.2	65		●	6	3-163-811
EK043	315	1500	-	142	74	74	UBA	●	●	6)	58.1	352.02	78		●	6	3-163-812
EK043	350	1500	-	142	74	74	UBA	●	●	6)	77.34	431.28	84		●	6	3-163-813
EK043	400	1500	-	142	74	74	UBA	●	●	6)	99.66	515.9	97		●	6	3-163-814
EK043	450	1500	-	142	74	74	UBA	●	●	6)	125.2	606.29	109		●	6	3-163-815
EK043	500	1500	-	142	74	74	UBA	●	●	6)	186.3	804.49	113		●	6	3-163-816
EK043	630	1500	-	142	74	74	UBA	●	●	6)	332.7	946.86	133		●	6	3-163-817
EK044	1000	1500	-	143	105	105	FLA			5)	2899	5382.68	137		●	4	3-163-839
EK044	1250	1500	-	143	105	105	FLA			5)	4891	8298.5	173		●	4	3-163-840
EK044	1500	1500	-	143	105	105	FLA			5)	5402	9645.37	232		●	4	3-163-841
EK044	1600	1500	-	143	105	105	FLA			5)	6025	10377.65	252		●	4	3-163-842
EK044	1800	1500	-	143	105	105	FLA			5)	8844	13650.54	278		●	4	3-163-843
EK044	2000	1500	-	143	105	105	FLA			5)	10000	21000	318		●	4	3-163-844
EK044	1000	1500	-	143	105	105	FLA	●		5)	2899	5382.68	137		●	4	3-163-845
EK044	1250	1500	-	143	105	105	FLA	●		5)	4891	8298.5	173		●	4	3-163-846
EK044	1500	1500	-	143	105	105	FLA	●		5)	5402	9645.37	232		●	4	3-163-847
EK044	1600	1500	-	143	105	105	FLA	●		5)	6025	10377.65	252		●	4	3-163-848
EK044	1800	1500	-	143	105	105	FLA	●		5)	8844	13650.54	278		●	4	3-163-849
EK044	2000	1500	-	143	105	105	FLA	●		5)	10000	21000	318		●	4	3-163-850
EK044	1000	1500	-	143	105	105	FLA	●	●	5)	2899	5382.68	137		●	4	3-163-851
EK044	1250	1500	-	143	105	105	FLA	●	●	5)	4891	8298.5	173		●	4	3-163-852
EK044	1500	1500	-	143	105	105	FLA	●	●	5)	5402	9645.37	232		●	4	3-163-853
EK044	1600	1500	-	143	105	105	FLA	●	●	5)	6025	10377.65	252		●	4	3-163-854
EK044	1800	1500	-	143	105	105	FLA	●	●	5)	8844	13650.54	278		●	4	3-163-855
EK044	2000	1500	-	143	105	105	FLA	●	●	5)	10000	21000	318		●	4	3-163-856
EK081	50	500	-	58	36	23.5	BOA			1)	1.88	12.32	5		●	180	3-158-849
EK081	250	500	-	58	36	23.5	BOA			1)	45.44	127.68	28		●	180	3-158-850
EK081	350	500	-	58	36	23.5	BOA			1)	133	256.19	38		●	180	3-158-851
EK081	400	500	-	58	36	23.5	BOA			1)	173.7	466.5	40		●	180	3-158-852
EK083	160	500	-	57	36	32.5	BOA			3)	51	101	16		●	48	3-163-881
EK083	350	500	-	57	36	32.5	BOA			3)	184.86	307.39	39		●	48	3-163-882
EK083	400	500	-	57	36	32.5	BOA			3)	257.45	405.92	45		●	48	3-163-883
EK083	450	500	-	57	36	32.5	BOA			3)	343.75	518.75	55		●	48	3-163-884
EK083	500	500	-	57	36	32.5	BOA			3)	444.39	646.32	58		●	48	3-163-885
EK083	630	500	-	57	36	32.5	BOA			3)	860.2	1683.01	75		●	48	3-163-886
EK083	160	500	-	57	36	32.5	MSD			3)	51	101	16		●	100	3-163-875
EK083	350	500	-	57	36	32.5	MSD			3)	184.86	307.39	39		●	100	3-163-876
EK083	400	500	-	57	36	32.5	MSD			3)	257.45	405.92	45		●	100	3-163-877
EK083	450	500	-	57	36	32.5	MSD			3)	343.75	518.75	55		●	100	3-163-878
EK083	500	500	-	57	36	32.5	MSD			3)	444.39	646.32	58		●	100	3-163-879
EK083	630	500	-	57	36	32.5	MSD			3)	860.2	1683.01	75		●	100	3-163-880
EK085	50	1000	-	71	36	23.5	BOA			1)	1.1	3.5	10	●		48	3-163-892
EK085	63	1000	-	71	36	23.5	BOA			1)	1.8	5.6	12	●		48	3-163-893
EK085	80	1000	-	71	36	23.5	BOA			1)	2.9	9	15	●		48	3-163-894
EK085	100	1000	-	71	36	23.5	BOA			1)	4.5	14.1	19	●		48	3-163-895

Product Series	Rated Current [A]	Rated Voltage [VDC]	Rated Voltage [VAC]	Length [mm]	Width [mm]	Height [mm]	Mounting	Indicator	Micro Switch	Breaking Capacity	Pre-arcing I²t typ. k[A²s]	Melting I²t typ. k[A²s]	Power Dissipation 1.0 I_n typ. [W]	cULus	VAC 1140	Packaging [PCS]	Order Number
EK085	125	1000	-	71	36	23.5	BOA			1)	7	22	24	●		48	3-163-896
EK085	160	1000	-	71	36	23.5	BOA			1)	11.4	36	31	●		48	3-163-897
EK085	200	1000	-	71	36	23.5	BOA			1)	17.9	56.3	38	●		48	3-163-898
EK085	250	1000	-	71	36	23.5	BOA			1)	20.1	60	48	●		48	3-163-899

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 @ 10 ms

2) AC 100 kA / DC50 kA @ 10 ms

3) 50 kA ≤ 3 ms

4) 30 kA @ 2 ms

5) 150 kA @ 10 ms

6) 250 kA @ 10 ms

21.10.2026

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.