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Circuit protection
Connectors
EMC products
Switches
Input systems
Electronics manufacturing services
Solutions

 **SCHURTER**
ELECTRONIC COMPONENTS

SCHURTER

Range at a Glance



Safety, Worldwide

SCHURTER Holding AG is headquartered in Lucerne Switzerland.

Products are developed, manufactured and distributed by factories in Switzerland, Germany, Czech Republic, China, France, India, Romania and Slovakia, United Kingdom, and the Netherlands.

Regional headquarters in N.A., EMEA and APAC regions, as well as representatives in about 60 countries, together with more than 200 distributors, guarantee SCHURTER's international presence to over 100,000 customers.

SCHURTER products carry all major country-specific safety approvals such as VDE, ENEC, UL, CSA, CCC, METI or KTL.



Business Excellence

The SCHURTER Group meets its customers' highest demands through certified quality, environmental and safety management systems, ISO 9001, ISO 14001, OHSAS 18001, using highly developed Six Sigma processes.

Processes certified according to the Automotive Standard IATF 16949: 2016 assure AEC-Q200 qualified circuit protection devices.

Processes certified to the most demanding of standards by the European Space Agency, ESA, are also in place to assure ESCC QPL listed fuses for use in space flight applications.

- Headquarters
- Distribution
- Production

SCHURTER Inc in Santa Rosa, California is a wholly owned subsidiary of SCHURTER Holding AG and is the exclusive sales and distribution center in North America.

The company works closely with its U.S. and Canadian based distribution partners to reach an estimated 40,000 customers.



Quality and Innovation

SCHURTER is a progressive innovator and manufacturer of electronic and electrical components.

The division Components is comprised of: Circuit Protection, Connectors, Switches, and EMC Products including measurement services for a total Solutions offering.

The division Input Systems provides leading touch solutions for human machine interface.

"Safe Power - Ease of Use." The two divisions focus foremost on providing products and solutions for safe power and ease of equipment use.

Application Areas

SCHURTER's main markets are Medical, Automotive, Energy, Data Communications, Avionics & Space, as well as the broader Industrial market.



IRWIN Industrial

MASTER
ELECTRONICS



MOUSER
ELECTRONICS

Newark



RUTRONIK
ELECTRONICS WORLDWIDE

SAGER
ELECTRONICS

Product overview fuses

						Characteristic					Approvals / Standards															
						Super-Quick-Acting FF	Quick-Acting F	Medium-Time-Lag M	Time-Lag T	Super-Time-Lag TT	UMF	VDE	VDE ÜG	NF	GAM T1	NNO	ESA / ESCC QPL	UL Listed	cURus	EC-Q200	PSE	CCC	CQC	KC		
Type	Size [mm]	Rated voltage	0	30 A	Breaking capacity																					
Chip fuses																										
	USFF 1206 Low power dissipation, precise	1.6 x 3.2 (1206)	125 VAC 63 VDC	0.05 - 0.25 A	10 - 100 A	•												•								
	USF 1206 Fast interruption	1.6 x 3.2 (1206)	32 - 125 VAC 63 - 125 VDC	0.375 - 4 A	50 A	•												•								
	USN 1206 SMD overtemperature & overcurrent protection	1.6 x 3.2 (1206)	32 VDC	12 A	170 A														•		•					
	USI 1206 IEC standard, VDE approval	1.6 x 3.2 (1206)	32 VAC 63 VDC	0.5 - 6.3 A	63 A		•				•	•						•								
	UST 1206 High rated currents and melting integrals	1.6 x 3.2 (1206)	32 VAC 63 VDC	7 - 25 A	100 - 600 A* *600 A @9 VDC				•									•								
	USF 0603 Compact secondary protection	0.8 x 1.6 (0603)	32 VAC 32 - 63 VDC	0.5 - 5 A	50 A	•												•								
	USF 0402 Compact secondary protection	0.55 x 1.05 (0402)	32 VDC	0.25 - 5 A	35 A	•												•								
SMD fuses																										
	UMT-H High breaking capacity	5.3 x 16	250 - 277 VAC 125 - 250 VDC	0.063 - 30 A	100A - 1.5 kA			•				•						•	•			•				
	UMT 250 Primary and secondary protection	3 x 10.1	250 - 277 VAC 65 - 125 VDC	0.08 - 10 A	35 - 200 A			•			•	•						•	•		•	•		•		
	UMF 250 Primary and secondary protection	3 x 10.1	250 VAC 125 VDC	0.5 - 10 A	100 - 200 A		•				•	•						•								
	UMZ 250 With pre-assembled clip	3.6 x 11.3	250 - 277 VAC 63 - 250 VDC	0.08 - 4 A	35 - 200 A			•																		
	UMK 250 With pre-assembled clip	4.2 x 11.3	250 VAC 63 - 125 VDC	0.5 - 4 A	100 - 200 A		•				•							•								
	MGA Hermetic. sealed, medical, defense	1.55 x 3.2	32 - 125 VAC 32 - 125 VDC	0.2 - 5 A	50 - 300 A	•												•								
	MGA-S Hermetic. sealed, aerospace, ESCC QPL	1.55 x 3.2	32 - 125 VAC 125 VDC	0.14 - 3.5 A	100 - 200 A	•											•									
	HCF Medical, defense, aviation	8.05 x 5	125 VAC 125 VDC	5 - 15 A	200 - 1000 A		•				•							•								
	HCSF Hermetic. sealed, aerospace, ESCC QPL	8.05 x 5	63 VAC 125 VDC	5 - 15 A	200 - 1000 A		•										•									
	OMT AC and DC applications	4.6 x 11	125 - 250 VAC 125 VDC	0.75 - 5 A	50 - 100 A			•										•								
	OMF 250 AC and DC applications	4.6 x 11	250 VAC 250 VDC	0.25 - 4 A	100 A		•				•	•						•								
	OMT 125 Wide current range	3.1 x 7.4	125 VAC 125 VDC	0.25 - 6.3 A	100 A			•										•								

						Characteristic				Approvals / Standards										
Type	Size [mm]	Rated voltage	Current range		Breaking capacity	Super-Quick-Acting FF	Quick-Acting F	Medium-Time-Lag M	Time-Lag T	Super-Time-Lag TT	Europe					Ameri-cas		Asia		
			0	100 A							UMF	VDE	VDE ÜG	NF	GAM T1	NNO	UL Listed	cURus	AEC-Q200	PSE
SMD fuses																				
	OMZ 125 OMT 125 with SMD fuseholder	5.2 x 12	125 VAC 125 VDC	0.25 - 5 A	100 A				•											
	OMF 125 Wide current range, low rated currents	3.1 x 7.4	125 VAC 125 VDC	0.063 - 10 A	100 A	•										•				
	OMK 125 OMF 125 with SMD fuseholder	5.2 x 12	125 VAC 125 VDC	0.063 - 5 A	100 A	•														
	OMF 63 Wide current range, low rated currents	3.1 x 7.4	125 VAC 125 VDC	0.063 - 10 A	50 A	•										•				
	OMK 63 OMF 63 with SMD fuseholder	5.2 x 12	125 VAC 125 VDC	0.063 - 5 A	50 A	•														
	172876 High breaking capacity, compact	2 x 7	63 - 125 VAC 63 - 125 VDC	0.063 - 15 A	300 A	•										•				
	MSB Compact	2 x 7	63 - 125 VAC 63 - 125 VDC	0.75 - 15 A	50 - 150 A				•							•				
	MKF High breaking capacity, square shaped	2.54 x 7	63 - 125 VAC 63 - 125 VDC	0.063 - 15 A	300 A	•										•				
	MKT Square shaped, compact	2.54 x 7	63 - 125 VAC 63 - 125 VDC	2 - 15 A	50 - 150 A				•							•				
	SMD-SPT High breaking capacity	5 x 20	125 - 250 VAC 125 - 300 VDC	1 - 16 A	35 - 125 A				•				•			•		•		
	SMD-FST Gold-plated fuse caps	5 x 20	250 VAC	0.05 - 20 A	35 A				•				•			•				
	SMD-FTT Gold-plated fuse caps	5 x 20	250 VAC	0.16 - 4 A	35 A					•						•				
SMD Thermofuses																				
	USN 1206 SMD overtemperature & overcurrent protection	1.6 x 3.2 (1206)	32 VDC	12 A	170 A												•			
	RTS SMD overtemperature protection	6.6 x 8.8	60 VDC	0 - 100 A	400 A												•			
Fuses for equipment																				
	FST 5x20 Pigtails optional	5 x 20	250 VAC	0.2 - 20 A	32 - 125 A				•			•	•			•		•		
	SPT 5x20 High breaking capacity	5 x 20	125 - 250 VAC 125 - 300 VDC	0.5 - 16 A	500 A - 10 kA															
	FSF 5x20 Pigtails optional	5 x 20	250 VAC	0.032 - 10 A	35 - 100 A	•						•				•	•	•		
	SP 5x20 Pigtails optional	5 x 20	125 - 250 VAC	0.5 - 16 A	500 A - 10 kA	•						•				•	•	•		
	FTT 5x20 Super-Time-Lag TT	5 x 20	250 VAC	0.063 - 4 A	35 A					•						•				
	SA 5x20 High breaking capacity	5 x 20	250 VAC	0.6 - 10 A	1500 A	•														
	FSL UL standard, pigtails optional	5 x 20	125 - 250 VAC	0.08 - 3 A	35 A - 10 kA				•							•				
	FSM Medium-Time-Lag M	5 x 20	250 VAC 125 VDC	0.315 - 10 A	80 A - 1 kA				•											

						Characteristic					Approvals																									
Type	Size [mm]	Rated voltage	Current range		Breaking capacity	Super-Quick-Acting FF	Quick-Acting F	Medium-Time-Lag M	Time-Lag T	Super-Time-Lag TT	UMF	VDE	Europe			Americas			Asia																	
			0	20									40 A	VDE ÜG	NF	GAM T1	NNO	UL	cURus	UR	CSA	PSE	CCC	CQC	KC											
Fuses for equipment																																				
	FSK UL standard, pigtails optional	5 x 20	125 - 250 VAC	0.05 - 6.3 A	35 A - 10 kA	•											•																			
	D1 AERO MIL MARINE	5 x 20	32 - 220 VAC	0.02 - 20 A	60 - 300 A	•								•	•	•																				
	D1TD AERO MIL MARINE	5 x 20	32 - 220 VAC	0.031 - 15 A	40 A - 100 A				•					•	•	•		•																		
	SHT 6.3x32 High breaking capacity, pigtails optional	6.3 x 32	400 - 500 VAC 63 - 400 VDC	1 - 32 A	1 - 20 kA			•									•																			
	SUT 6.3x32 High breaking capacity, pigtails optional	6.3 x 32	125 - 250 VAC	12 - 30 A	500 A - 10 kA			•									•																			
	SPT 6.3x32 High breaking capacity	6.3 x 32	125 - 250 VAC 48 - 63 VDC	0.5 - 32 A	1 - 20 kA			•									•																			
	FST 6.3x32 (UL) UL approval	6.3 x 32	125 - 250 VAC	0.063 - 15 A	35 A - 10 kA			•									•		•																	
	SHF 6.3x32 High breaking capacity, pigtails optional	6.3 x 32	440 - 500 VAC 63 - 500 VDC	1 - 32 A	1 - 20 kA	•											•																			
	FSF 6.3x32 (UL) UL approval	6.3 x 32	125 - 250 VAC	0.1 - 15 A	200 A - 10 kA	•											•		•																	
	A12FA 250V Very high breaking capacity	6.3 x 32	250 VAC	0.1 - 20 A	200 kA	•												•																		
	AS12FA 500V Very high breaking capacity	6.3 x 32	500 VAC	0.1 - 12.5 A	10 - 150 kA	•												•																		
	AS12FA 660V Very high breaking capacity	6.3 x 32	660 VAC	0.1 - 2 A	30 kA	•												•																		
	172582 AERO MIL MARINE, high breaking capacity	6.3 x 32	250 VAC 125 VDC	0.16 - 20 A	1 - 10 kA	•											•	•																		
	172600 AERO MIL MARINE, high breaking capacity	6.3 x 32	125 - 250 VAC	2 - 20 A	200 A - 10 kA			•									•	•	•																	
	FST 6.3x32 Wide current range, low rated currents	6.3 x 32	250 VAC	0.02 - 20 A	35 - 200 A			•																												
	SA 6.3x32 High breaking capacity	6.3 x 32	250 VAC	1.6 - 16 A	1.5 kA	•																														
	SP 6.3x32 High breaking capacity	6.3 x 32	250 VAC	0.5 - 20 A	1 - 1.5 kA	•																														
Subminiature fuses																																				
	MST 250 Long or short terminals	8.5 x 8.5	250 VAC 63 VDC	0.05 - 6.3 A	35 - 63 A			•			•	•					•				•	•		•												
	MXT 250 Long or short terminals	8.5 x 8.5	250 VAC	0.8 - 10 A	100 A			•			•	•					•	•			•	•		•	•											

						Characteristic					Approvals														
Type	Size [mm]	Rated voltage	Current range 0 20 40 A	Breaking capacity		Super-Quick-Acting FF	Quick-Acting F	Medium-Time-Lag M	Time-Lag T	Super-Time-Lag TT	UMF	VDE	VDE ÜG	NF	GAM T1	NNO	UL	cURus	UR	CSA	PSE	CCC	CQC	KC	
Subminiature fuses																									
	MSF 250 Long or short terminals	8.5 x 8.5	250 VAC		35 - 50 A	•					•						•				•				
	MSTU 250 Long or short terminals	8.5 x 8.5	250 VAC		50 A			•									•								
	MSF 125 Long or short terminals	6.4 x 8.8	125 VAC 125 VDC		100 A	•											•								
	172322 AERO MIL MARINE, pigtails	2.36 x 8	32 - 125 VAC 32 - 125 VDC		50 - 300 A	•								•				•	•						
	172321 AERO MIL MARINE, pigtails	2.36 x 8	32 - 125 VAC 32 - 125 VDC		300 A	•								•											
	172593 Compact primary protection	4.05 x 10	125 - 250 VAC 125 - 250 VDC		50 - 300 A	•											•								
	SPT 3.6x10 Wide current range	3.6 x 10	250 VAC		35 - 40 A			•				•					•						•		
Telecom fuses																									
	MSU 125 Telecom approvals, xDSL/ADSL	6.4 x 8.8	125 VAC 125 VDC		100 A	•											•								
Solar / PV fuse, gPV																									
	ASO Solar / PV fuse, gPV characteristic	10.3 x 38	1000 VDC		20 kA						•						•								
Special fuses																									
	D0 AERO MIL MARINE	4.7 x 16	125 VAC		35 A	•								•	•										

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Web information

Product specifications, such as ratings and approvals, may vary by product variant. Detailed and current information of the listed product types and its variants can be found on our website [schurter.com/cp](https://www.schurter.com/cp). Specifications are subject to change without notice.

Customized solutions

In addition to its broad product range, SCHURTER also offers individual services to ensure all customer requirements. We will build specific samples and provide you with your customized solution. Please submit your request using the contact form on our website [schurter.com/contact](https://www.schurter.com/contact).

Product overview fuseholders

								Terminals				Approvals / Standards											
Type	Fuse-Link	IEC	UL	Rated voltage	IEC	UL	Rated current	Power acceptance acc. IEC	Solder	Solder (THT)	Solder (SMD)	Quick-Connect	Screw / Rivet	VDE	VDE ÜG	NF	GAM T1	NNO	cURus	UR	CSA	KC	IEC 60127-6 GWT
PCB mounting (THT)																							
	OGN Cover optional	5 x 20		250 VAC 500 VAC 500 VDC	10 A	10 A		4 W / 10 A	•					•					•				•
	OGD Cover optional	5 x 20 6.3 x 32		500 VAC 600 VAC 600 VDC	10 A	16 A		4 W / 10 A	•					•	•				•				•
	FPG5 Horizontal mounting	5 x 20		250 VAC 500 VAC 500 VDC	10 A	16 A		2.5 W / 10 A	•					•					•				•
	FAB Horizontal mounting, kicked or straight terminals	5 x 20		250 VAC 250 VAC 250 VDC	10 A	12 A		2.5 W / 10 A	•					•					•				•
	FAS Horizontal mounting	5 x 20		250 VAC 250 VAC 250 VDC	6.3 A	10 A		1.6 W / 6.3 A	•					•					•				•
	FBS2 Medical applications, shock-safe category PC3	5 x 20		250 VAC 250 VAC 250 VDC	10 A	10 A		1.6W / 6.3 A	•					•					•				•
	231409 Horizontal or vertical, AERO MIL MARINE	5 x 20		250 VAC 250 VAC 250 VDC	10 A	10 A		1.3 W / 10 A	•								•	•		•	•		•
	FAU Horizontal mounting, kicked or straight terminals	5 x 20 6.3 x 32		250 VAC 250 VAC 250 VDC	10 A	16 A		2.5 W / 10 A 3.2 W / 10 A	•					•						•	•		•
	FUP Horizontal mounting, high power applications	5 x 20 6.3 x 32		500 VAC 600 VAC 600 VDC	16 A	30 A		4 W / 16 A	•					•					•				•
	FPG4 Vertical mounting	5 x 20		250 VAC 500 VAC 500 VDC	10 A	16 A		2.5 W / 10 A	•					•					•				•
	FAF Vertical mounting, IP54 optional	5 x 20		250 VAC 250 VAC 250 VDC	6.3 A	12 A		2 W / 6.3 A	•					•					•				•
	FAP Vertical mounting	5 x 20		250 VAC 250 VAC 250 VDC	6.3 A	10 A		1.6 W / 6.3 A	•					•					•				•
	FAC Vertical mounting, kicked or straight terminals	5 x 20 6.3 x 32		250 VAC 400 VAC 400 VDC	10 A	16 A		2.5 W / 10 A 3.2 W / 10 A	•					•						•	•		•
	FUA Vertical mounting, high power applications	5 x 20 6.3 x 32		500 VAC 600 VAC 600 VDC	16 A	30 A		4 W / 16 A	•					•					•				•

								Terminals				Approvals / Standards										
Type	Fuse-Link	Rated voltage		Rated current			Power acceptance acc. IEC	Solder	Solder (THT)	Solder (SMD)	Quick-Connect	Screw / Rivet	VDE	VDE ÜG	NF	GAM T1	NNO	cURus	UR	CSA	KC	IEC 60127-6 GWT
			IEC	UL	IEC	UL																
PCB mounting (THT)																						
	FMS (125V) Vertical mounting, for subminiature fuses	MSx 125	-	125 VAC 125 VDC	-	5 A	-		•									•				•
	FMS (250V) Vertical mounting, for subminiature fuses	Mxx 250	250 V	250 VAC 250 VDC	6.3 A	6.3 A	1.6 W / 6.3 A		•				•					•				•
	FMR Horizontal mounting, for subminiature fuses	MSx 125	-	125 VAC 125 VDC	-	5 A	-		•									•				•
	231787 THT fuseholder, 2 x 7 mm fuses	2 x 7	-	125 VAC 125 VDC	-	7 A	-		•										•	•		•
	OG (Holder) 5x20 Cover optional	5 x 20	-	600 VAC 600 VDC	-	10 A			•									•				•
	OG (Holder) 6.3x32 Screw or rivet mounting, THT	6.3 x 32	-	500 VAC	-	16 A			•		•								•	•		•
PCB mounting (SMD)																						
	OMH 125 Pre-assembled fuses optional, compact	OMx 63 OMx 125	-	125 VAC 125 VDC	-	5 A	-			•									•	•		•
	231786 SMD fuseholder	2 x 7	-	125 VAC 125 VDC	-	7 A	-			•									•	•		•
	OGN-SMD Cover optional	5 x 20	250 VAC	500 VAC 500 VDC	16 A	10 A	4 W / 10 A			•			•					•				•
	OGD-SMD Cover optional	5 x 20 6.3 x 32	500 VAC	600 VAC 600 VD	10 A	16 A	4 W / 10 A			•			•	•				•				•
	FPG7 Horizontal mounting	5 x 20	250 VAC	250 VAC 250 VDC	10 A	16 A	2.5 W / 10 A			•			•					•				•
Panel mounting																						
	FPG1 Screw mounting, front-side, IP67 optional	5 x 20	250 VAC	500 VAC 500 VDC	10 A	16 A	2.5 W / 10 A		•		•		•					•			•	•
	FPG2 Screw mounting, rear-side, IP67 optional	5 x 20	250 VAC	500 VAC 500 VDC	10 A	16 A	2.5 W / 10 A		•		•		•					•			•	•
	FPG3 Snap-in mounting, front-side	5 x 20	250 VAC	500 VAC 500 VDC	10 A	16 A	2.5 W / 10 A		•		•		•					•			•	•
	FPG6 Press-fit mounting, front-side, IP67 optional	5 x 20	250 VAC	500 VAC 500 VDC	10 A	16 A	2.5 W / 10 A		•		•		•					•			•	•
	FEF Fingergrip or slot cap, IP54 optional	5 x 20	250 VAC	250 VAC 250 VDC	10 A	10 A	4 W / 10 A		•					•				•				•
	FEF (snap) Snap-in mounting, front-side	5 x 20	250 VAC	250 VAC 250 VDC	10 A	10 A	4 W / 10 A		•				•					•				•

								Terminals				Approvals / Standards										
	Type	Fuse-Link	Rated voltage		Rated current		Power acceptance acc. IEC	Solder	Solder (THT)	Solder (SMD)	Quick-Connect	Screw / Rivet	VDE	VDE ÜG	NF	GAM T1	NNO	cURus	UR	CSA	KC	IEC 60127-6 GWT
Panel mounting																						
	FIN Screw mounting, front-side, IP67	5 x 20	250 VAC	250 VAC 250 VDC	10 A	10 A	2.5 W / 10 A	•			•		•					•				•
	FIO Screw mounting, front-side, IP65 optional	5 x 20	250 VAC	250 VAC 250 VDC	10 A	10 A	2.5 W / 10 A	•			•		•					•				•
	FIZ Screw mounting, front-side, IP67 optional	5 x 20	250 VAC	600 VAC 600 VDC	16 A	30 A	4 W / 16 A	•			•		•					•				•
	FBS1 Medical applications, shock-safe category PC3	5 x 20	250 VAC	250 VAC	10 A	10 A	1.5 W / 6.3 A	•			•		•					•				•
	23316P Screw mounting, AERO MIL MARINE	5 x 20	250 VAC	-	6.3 A	-	1.5 W / 6.3 A	•							•	•	•					•
	231411 Screw mounting, AERO MIL MARINE	5 x 20	250 VAC	-	6.3 A	-	1.3 W / 6.3 A	•														•
	FEU Screw mounting, front-side	5 x 20 6.3 x 32	250 VAC 250 VDC	250 VAC	10 A	20 A	4 W / 10 A	•			•		•					•				•
	FEU (Med) Medical applications, shock-safe category PC2	5 x 20 6.3 x 32	250 VAC 250 VDC	250 VAC	10 A	20 A	4 W / 10 A	•					•					•				•
	FEU (Grip) Fingergrip screw-cap	5 x 20 6.3 x 32	250 VAC 250 VDC	250 VAC	10 A	20 A	4 W / 10 A	•					•					•				•
	FEC Screw mounting, 3-phase applications	5 x 20 6.3 x 32	500 VAC	600 VAC 600 VDC	10 A	20 A	4 W / 10 A	•			•		•					•				•
	FUS Snap-in mounting, front-side, IP67	5 x 20 6.3 x 32	500 VAC	600 VAC 600 VDC	16 A	32 A	4 W / 16 A	•			•		•					•				•
	FUL Screw mounting, 3-phase applications, optional IP67	5 x 20 6.3 x 32	500 VAC	600 VAC 600 VDC	16 A	30 A	4 W / 16 A	•			•		•					•				•
	23312P Screw-cap, IP67 optional, AERO MIL MARINE	6.3 x 32	250 VAC	250 VAC	10 A	10 A	2.5 W / 10 A	•							•	•	•		•	•		•
	231549P Screw-cap, IP68, AERO MIL MARINE	6.3 x 32	250 VAC	-	16 A	-	3.6 W / 16 A	•							•	•						•
	231600P AERO MIL MARINE, for special fuse size	4.7 x 16	250 VAC	-	5 A	-	1 W / 5 A	•								•	•					•
	23530P Screw mounting, front-side, IP67 optional	10.3 x 38	-	600 VAC	-	25 A	-				•						•	•	•			•
	FEP Screw mounting, front-side	5 x 20	250 VAC	500 VAC 500 VDC	6.3 A	10 A	2.5 W / 6.3 A	•			•		•					•				•

								Terminals					Approvals / Standards										
Type	Fuse-Link	IEC	UL	Rated voltage	IEC	UL	Rated current	Power acceptance acc. IEC	Solder	Solder (THT)	Solder (SMD)	Quick-Connect	Screw	Rivet	VDE	VDE ÜG	NF	GAM T1	NNO	cURus	UR	CSA	KC
Screw or rivet mounting																							
 UH Cover optional, 1 or 10 pole version	5 x 20	-	600 VAC 600 VDC		-	10 A	-	-	•				•	•						•			
In-line mounting																							
 FDI In-line mounting	5 x 20 6.3 x 32	32 VAC	-		6.3 A	-	-	-	•														
DIN-rail mounting																							
 FSO Solar / PV fuseholder, self-certified 1000 VDC	10.3 x 38	-	600 VAC 600 VDC		-	30 A	-	-					•								•	•	
Clips																							
 OG (Clip) 5x20 Cover optional, kicked or straight terminals	5 x 20	-	500 VAC 500 VDC		-	6.3 A	-	-		•										•			
 OG (Clip) 5x20 / 6.3x32 Clip-material bronze or brass	5 x 20 6.3 x 32	-	600 VAC 600 VDC		-	16 A	-	-		•										•			
 CQP Heavy duty fuse clip, solar / PV applications	6.3 x 32	-	600 VAC 600 VDC		-	32 A	-	-		•										•			
 CSO Heavy duty fuse clip, solar / PV applications new	10.3 x 38 10.3 x 85	-	1500 VAC 1500 VDC		-	32 A	-	-		•			•	•						•			
 231660 Solar / PV applica- tions	10.3 x 38	-	-		-	20 A	-	-		•										•			

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Document links

[White Paper Fuseholder standard](#)

[White Paper Components and IEC 60335-1](#)

Web information

Product specifications, such as ratings and approvals, may vary by product variant.

Detailed and current information of the listed product types and its variants can be found on our website [schurter.com/cp](https://www.schurter.com/cp).

Specifications are subject to change without notice.

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Product overview

Circuit Breakers for Equipment

Circuit Breakers for Equipment					Application				Protection				Options				Con- nection		Mounting					
Type	Number of poles	Rated voltage	Current range	General purpose	Industrial applications	Power supply	Household and leisure	Thermal	Magnetic	Available without protection	Undervoltage protection	Illumination	Different printings	Auxiliary contact	Shunt contact	Remote tripping	Quick connect terminals	Screw terminals	PCB THT	Threaded neck	Snap-in front side	Snap-in rear side	Drop-in type	Flange type
 T9-611 Reset type, glow-wire version optional	1	240 VAC 48/32 VDC	3-16 A	•	•	•		•					•				•				•			
 T9-311 / 211 Reset type, glow-wire version optional	1	240 VAC 48/32 VDC	3-16 A	•	•	•		•									•			•				
 T9-711 Reset type, glow-wire version optional	1	240 VAC 48/32 VDC	3-16 A	•	•	•		•									•					•		
 T9-818 Reset type, glow-wire version optional	1	240 VAC 48/32 VDC	3-15 A	•	•	•		•											•					
 T9-817 Reset type, glow-wire version optional	1	240 VAC 48/32 VDC	3-12 A	•	•	•		•											•					
 T11 Reset type	1	240 VAC 48 VDC	0.05A- 16 A	•	•	•		•						•			•		•	•	•		•	
 T12 Reset- or switch type	1	240 VAC 28 VDC	0.05-16 A	•	•	•		•						•	•		•	•		•				•
 T12-MSM Reset- or switch type	1	240 VAC 28 VDC	0.05-16 A	•	•	•		•						•	•		•	•		•				
 TM12 Reset- or switch type	1	240 VAC 28 VDC	0.05-16 A	•	•	•		•	•					•	•	•	•	•		•				•
 TM12-MSM Reset- or switch type	1	240 VAC 28 VDC	0.05-16 A	•	•	•		•	•					•	•	•	•	•		•				
 T13 Reset- or switch type	1	250 VAC 28 VDC	0.05-30 A	•	•	•		•									•	•		•	•			
 TA35 Switch type	1	240 VAC 32 VDC	0.05-20 A	•	•	•	•	•		•		•	•				•				•			
 TA35 Switch type	2	240 VAC 60 VDC	0.05-20 A	•	•	•	•	•		•		•	•				•				•			
 TA35 Switch type	3	240 VAC	0.05-12 A	•	•	•	•	•		•		•	•				•				•			
 TA45 Switch type	2	240/400 VAC 60 VDC	0.05-20 A	•	•	•	•	•		•	•	•	•	•	•	•	•				•			
 TA45 Switch type	3	240/400 VAC 60 VDC	0.05-12 A	•	•	•	•	•		•	•	•	•	•	•	•	•				•			

Power Entry Modules with Circuit Breaker

	Type	Current range	IEC 60320-1 inlet type	IEC plug type			Circuit breaker				Mounting			Connection	
				Protection class I	Protection class II	V-Lock cord retaining	CBE 1-pole protected	CBE 2-pole protected	Illuminated rocker	Components prewired	Screw-on front	Screw-on rear	Snap-in	Quick connect	Wire leads on request
	6145 double pole CBE, pre-wired	1-10A IEC 1-15A UL	C14/C18	•	•		•	•	•	•	•			•	•
	6135 double pole CBE	1-10A IEC 1-15A UL	C14	•		•	•	•	•	•			•	•	•
	6136 single pole CBE	12-16A IEC 12-20A UL	C20	•		•	•	•	•	•			•	•	•
	DF11 recessed switch, double pole CBE, pre-wired	1-10A IEC 1-15A UL	C14	•		•	•	•	•	•	•	•	•	•	•
	EF11 recessed switch, double pole CBE, pre-wired	12-16A IEC 12-20A UL	C20	•		•	•	•	•	•	•	•	•	•	•

Power Entry Modules with Circuit Breaker and Filter

Power Entry Modules with Circuit Breaker and Filter				IEC plug type			Circuit breaker			Mounting	Connection	Attenuation	Leakage current					
Type	Current range	Inlet	Protection class I	Protection class II	V-Lock cord retaining	CBE 1-pole protected	CBE 2-pole protected	Illuminated rocker	Components prewired	Screw front	Snap-in	Quick connect	Wire leads on request	Standard 20 - 50 dB	High 40 - 70 dB	Medical <5µA	Medical <80µA	Standard <0.5mA
	DF12 recessed switch pre-wired, double pole CBE	1-10A IEC 1-15A UL	C14	•		•	•	•	•	•		•	•	•		•		•
	5145 pre-wired, double pole CBE	1-10A IEC 1-15A UL	C14/C18	•	•		•	•	•	•		•	•	•		•		•
	EF12 recessed switch pre-wired, double pole CBE	12-16A IEC 12-20A UL	C20	•		•	•	•	•	•		•	•	•		•		•

Web information

At schurter.com you can enter the component type (e.g. TA35) into the search box and download the data sheets containing all relevant details.

schurter.com/cp schurter.com/connectors schurter.com/emc

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Product overview

Connectors & power entry modules

			IEC connector type						Features							Mounting					Connection							
	Connector type	Extras	Inlet	Outlet	Protection class I	Protection class II	Max. pin temperature [°C]	V-Lock cord retaining	Enhanced glow wire	Fuseholder 1-pole	Fuseholder 2-pole	Switch 1-pole	Switch 2-pole	Switch illuminated	Circuit breaker	Voltage selector	Components prewired	Screw-on front	Screw-on rear	Snap-in	Drop-in	Sandwich	Quick connect	Solder terminals	Screw terminals	PCB	IDC terminals	Alternate type with line filter
IEC 2.5 A / UL 2.5 / 7 A																												
	0720-FS 0720-FP		• •		C8	70 70												• •	• •				• •	• •		• •		
	0721-PS 0721-PP		• •		C8	70 70														• •			• •		• •			
	2576 2578		• •		C8	70 70												• •		• •			• •	• •	• •		5008	
	2570		•		C8	70														• •	• •		• •		• •			
	2577 2579	Polarized Polarized	• •		C8p C8p	70 70												• •		• •			• •	• •	• •		5008	
	0724		•		C6	70												• •	• •				• •		• •			
	2563 2565	Retaining bracket	•		C6	70															• •		• •		• •			
	5082	For docking systems		•	D	70												• •					• •					
	5084 5086			• •	D D	70 70												• •			• •		• •					
	5083			•	D	70														• •			• •					
	5088			•	D	70												• •					• •					
	CMF1 CMF2 CMF3	Polarized	• • •		C8 C8p C6	70 70 70					• • •								• • •					• • •				
IEC 10 A / UL 15 A																												
	6100-3 6100-4	IP 54 opt.	• •		C14 C14	70 70		• •										• •	• •	• •			• •	• •			5120 5110	
	6102-3 6102-5		• •		C18 C18	70 70		• •										• •	• •	• •			• •	• •			5120	

			IEC connector type						Features							Mounting					Connection					Alternate type with line filter			
			Inlet	Outlet	Protection class I	Protection class II	Max. pin temperature [°C]	V-Lock cord retaining	Enhanced glow wire	Fuseholder 1-pole	Fuseholder 2-pole	Switch 1-pole	Switch 2-pole	Switch illuminated	Circuit breaker	Voltage selector	Components prewired	Screw-on front	Screw-on rear	Snap-in	Drop-in	Sandwich	Quick connect	Solder terminals	Screw terminals		PCB	IDC terminals	
IEC 10 A / UL 15 A																													
	6150		•		C14		70												•					•					
	1061		•		C14	C18	70												•			•	•	•					
 	6010 6015		• •		C14 C18		70 70	•											• •			• •	• •	• •	• •				
	6048		•		C14		70	•									•	•				•	•	•					
 	6061 6061-G	Gold plated contacts	• •		C14 C14	C18	70 70	•									• •					• •	• •	•					
	6130-56		•		C14		70		•										•					•					
	GSP1		•		C14	C18	70	•										•						•					
 	GSP2		•		C14	C18	70	•	•									•	•	•	•			•					
 	4761	IP 67	•		S16												•					•	•	•					
 	6110-3 6110-4		• •		C16 C16		120 120	• •									•	•		•		• •	• •						
 	6120-3 6120-5		• •		C16A C16A		155 155										•	•		•		• •	• •						
	DC11		•		C14	C18	70	•	•		•	•	•			•	•	•	•			•				DC12			
	DC21		•		C14		70	•				•	•			•	•							•		DC22			
 	KEB1		•		C14		70				•					•	•	•	•			•				DC12			
 	KEB2		•		C14		70					•	•			•	•	•	•			•				DC12			
	6135		•		C14		70	•				•	•	•		•			•			•							
	6145		•		C14	C18	70					•	•	•		•						•				5145			
 	DF11		•		C14		70	•				•	•	•		•		•	•	•		•				DF12			

				IEC connector type						Features							Mounting					Connection							
Connector type		Extras	Inlet	Outlet	Protection class I	Protection class II	Max. pin temperature [°C]	V-Lock cord retaining	Enhanced glow wire	Fuseholder 1-pole	Fuseholder 2-pole	Switch 1-pole	Switch 2-pole	Switch illuminated	Circuit breaker	Voltage selector	Components prewired	Screw-on front	Screw-on rear	Snap-in	Drop-in	Sandwich	Quick connect	Solder terminals	Screw terminals	PCB	IDC terminals	Alternate type with line filter	
IEC 10A / UL 15 A																													
		KEA KEA-Print		• •	C14 C14	C18 C18	70 70	• •	• •	• •						• •	• •	• •	• •				• •			• •	KFA		
		6200 6202 6205		• • •	C14 C14	C18	70 70 70	• • •	• • •	• • •							• •	• • •	• • •				• • •	• • •			5200		
		6220		•	C14		70			•							•	•	•	•			•	•			5220		
		6250 6255		• •	C14 C14		70 70		• •	• •										• •					• •				
		1062		•	C14	C18	70		•	•	•						•	•					•	•					
		1064	Versions in white	•	C14	C18	70		•	•							•			•			•	•					
		4707		•	C14	C18	70	•	•	•	•						•	•	•				•	•			5707		
		GSF1 GSF2		• •	C14 C14	C18 C18	70 70	• •	• •	• •							• •		• •			•			•				
		KE KEC		• •	C14 C14	C18 C18	70 70	• •	• •	• •						• •	• •	• •	• •				• •				CE KFC		
		DD11		•	C14	C18	70	•	•	•	•	•	•				•	•	•				•				DD12		
		DD21		•	C14	C18	70	•	•	•	•	•	•				•		•						•		DD22		
		KM	 Shielded version	•	C14	C18	70		•	•	•	•	•										•				KMF		
		6765 6762		• •	C14 C14	C18 C18	70 70		•	•	•	•	•	•				•	•		•		•	•			FKH FKI		
		KD		•	C14		70	•	•	•	•		•	•			•	•	•				•				CD		
		KG		•	C14		70	•	•	•	•		•			•	•	•	•	•			•				CG		
		Felcom 64	 Modular system on PCB	•	C14	F	70		•	•		•					•			•			•	•			Felcom 54		
		6600-3 6600-4 6602-4 6600-5	 Light pipe		• • • •	F F H F	70 70 70 70	• • • •	• • • •									•			• • • •		• • • •			•			

	Con- nec- tor type	Extras	IEC connector type						Features						Mounting					Connection					Alternate type with line filter		
			Inlet	Outlet	Protection class I	Protection class II	Max. pin temperature [°C]	V-Lock cord retaining	Enhanced glow wire	Fuseholder 1-pole	Fuseholder 2-pole	Switch 1-pole	Switch 2-pole	Switch illuminated	Circuit breaker	Voltage selector	Components prewired	Screw-on front	Screw-on rear	Snap-in	Drop-in	Sandwich	Quick connect	Solder terminals		Screw terminals	PCB
IEC 10 A / UL 15 A																											
	6610-5 new	Light pipe		•	F		70	•											•							•	
	6610	Cross & along versions		•	F		70	•											•							•	
	6650			•	F		70											•							•		
	4721	Shuttered		•	F		70											•				•	•				
	4723	Shuttered		•	F		70												•			•	•				
	4787			•	F		70											•				•	•				
	4788			•	F		70												•			•	•				
	5091			•	F	H	70											•				•	•		•		
	5001			•	F	H	70												•						•		
	4719	Shuttered, neon indication		•	F		70		•										•			•					
IEC 16 A / UL 20 A																											
	4798		•		C20		70	•	•									•				•	•			5130	
	4793		•		C20 C24		70	•	•										•			•	•			C20F	
	GSP4 new		•		C20 C24		70	•	•										•	•	•	•			•		
	1681 new	Hot conditions	•		C22		155		•									•		•			•	•	•	C22F	
	EC11		•		C20 C24		70	•	•		•	•	•		•		•	•	•			•				EC12	
	6136		•		C20		70	•			•		•	•	•	•		•				•					
	EF11	Undervoltage release	•		C20		70	•				•	•	•	•	•		•	•	•		•				EF12	
	4797-5 new	Light pipe		•	J		70	•	•										•						•		
	4797			•	J	L	70	•	•									•		•		•	•				
	4710 new	Cross & along versions		•	J		70	•											•							•	
	5017			•	J		70											•				•					

Cord connectors

			Connector type				Design					Approvals										
	Connector type	Extras	Plug	Connector	IEC type	Max. pin temperature [°C]	Straight	Angled	Max. wire size [mm²]	Max. wire size [AWG]	Max. cable dia. [mm]	VDE	ENEC	UR	cUR	UL	cUL	CSA	CSAus	CCC	PSE	Australia
REWIREABLE CORD CONNECTORS IEC 10 A / UL 15 A																						
	4732		•		E	70	•		1	18	8.5	•				•	•			•		•
	4733		•		E	70		•	1	18	8.5	•				•	•			•		•
	4735		•		E	70	•		1.5	14	10.0	•				•	•			•		•
	4736		•		E	70		•	1.5	14	10.0	•				•	•			•		•
	9009		•		E	70	•		1.5		8 10.0		•			•	•					
	P685		•		E	70		•	1	18	8.5			•				•				
	4782			•	C13	70	•		1 1.5	18 14	8.5 10.0		•			•	•					•
	4785			•	C13	70		•	1 1.5	18 14	8.5 10.0		•			•	•					•
	4300-06			•	C13	70		•	1	18	8.5		•	•				•				
	4762	IP 67		•	Spez		•		1.5	14	10.0		•	•	•							
	4781			•	C15	120	•		1 1.5	18 14	8.5 10.0		•			•	•					•
	4784			•	C15	120		•	1 1.5	18 14	8.5 10.0		•			•	•					•
	0102			•	C15A	155	•		1	16	10.0							•			•	
	0102-G	With gold plated contacts		•	C15A	155	•		1	16	10.0										•	
	0112			•	C15A	155		•	1	16	10.0										•	
REWIREABLE CORD CONNECTORS IEC 16 A / UL 20 A																						
	4796		•		I	70	•		1.5	14	10.0		•			•	•			•		•
	4789		•		I	70		•	1.5 1.5	16 14	8.7 10.0		•			•	•			•		•
	4300.0922		•		I	70	•		2.5	12	12.0					•		•				
	4795			•	C19	70	•		1.5	14	10.0		•			•	•			•		•
	4790			•	C19	70		•	1.5 1.5	16 14	8.7 10.0		•			•	•			•		•
	0104U			•	C19	70	•		2.5	12	13.0		•	•				•	•			
	4300.0921			•	C19	70	•		2.5	12	12.0					•		•				
	1658	Hot conditions		•	C21	155	•		1.5	10	16.0		•			•	•			•		
	1659			•	C21	155		•	1.5	10	16.0		•			•	•			•		

Distribution units

						Approvals					
Connector type	Power input	Outlets	Number of outlets			ENEC	UR	cUR	CSA	CCC	TUV
DISTRIBUTION UNITS IEC 10 A / UL 15 A											
	0712	Appliance inlet C14	Appliance outlet type F	1		•	•		•	•	•
	4741	Appliance inlet C14	Appliance outlet type F	2							
	0909	Solder terminals	Appliance outlet type F	2 up to 7		•	•	•			
	4752	Quick connect or solder terminals	Appliance outlet type F	4		•	•	•			
	4754	Quick connect or solder terminals	Appliance outlet type F	4	Space for another element C14	•	•	•		•	
	4758	Quick connect or solder terminals	Appliance outlet type F	4	Space for a 62xx inlet with fuse	•	•	•			
	4747	Appliance inlet C14	Appliance outlet type F	4			•	•		•	
	4748	Power supply cord	Appliance outlet type F	4	Different main plugs available						
	4740	Appliance inlet C14 or power supply cord	Appliance outlet type F	5 or 6	Optional: switch, fuseholder or linefilter						
DISTRIBUTION UNITS IEC 16 A / UL 16 A											
	4730	Appliance inlet C20	Appliance outlet type J	1	Plug coupler		•	•			•

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Web Information

At schurter.com you can enter the connector type (e.g. 6610) into the search box and download the data sheets containing all relevant details. schurter.com/connectors

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Product overview power entry modules with filter

with filter			IEC plug type		Features								Mounting			Connection			Filter					
PEM type	Filter type	Current range	Protection class I	Protection class II	V-Lock cord retaining	Fuseholder 1-pole**	Fuseholder 2-pole**	Switch 1-pole	Switch 2-pole	Switch illuminated	Voltage selector	Screw front	Screw rear	Snap-in	PCB	Quick-Connect	Solder	Wire leads	Attenu- ation	Leakage current				
																				Standard 20 -50 dB	High 40-70 dB	Medical <5µA	Medical <80µA	Standard <0.5mA
DC appliance inlet																								
	5003 125 VDC AMP/Molex connector	3 - 15 A	not applicable									•	•	•	•	•	•	•	•	not applicable				
Appliance inlet 125/250 VAC																								
2570 	5008 plastic housing ECO design unpotted	0.5 - 2.5 A IEC 0.5 - 6 A UL	C8									•		•		•	•		•		•			
6100 	5110 potted optional C X2 100nF	1-10 A IEC 1-15 A UL	C14									•		•		•			•		•	•	•	
	5120 metal or plastic flange / snap-in ECO design unpotted	1-10 A IEC 1-15 A UL	C14 C18	•								•	•	•	•	•	•	•	•		•	•	•	
	5123 high attenuation ECO design unpotted	1-10 A IEC 1-15 A UL	C14 C18	•								•	•	•	•	•	•	•		•	•	•	•	
	5150 X2Y® technology high frequency	10 A IEC 15 A UL	C14	•								•	•			•				•		•	•	
	5130 ECO design unpotted metal flange	16 A IEC 20 A UL	C20	•								•	•	•		•	•		•		•	•	•	
4798 	C20F optional C X1 optional C X2 330nF	16 A IEC 20 A UL	C20	•								•	•	•		•	•	•	•		•	•	•	
1681 	C22F high temperature 65°C UL/75°C IEC	16 A IEC 20 A UL	C22									•				•	•	•	•		•	•	•	
Appliance inlet with fuse holder																								
6200 	5200 compact spare fuse comp.	1-10 A	C14		•							•		•		•			•		•	•	•	
6220 	5220 compact optional C X2 100nF	1-10 A	C14			•						•		•		•			•		•	•	•	
KEA 	KFA optional step vs optional PE choke	1-10 A	C14	•	•	•					•	•	•	•		•		•	•		•	•	•	
KEA Print 	DA22 optional C X1, Y1 optional C X2 220nF	1-10 A	C14	•	•	•							•		•				•		•	•	•	
4707 	5707 IP65 water proof optional white color	1-8 A	C14 C18	•	•	•						•	•			•			•		•	•	•	
KEC 	KFC fuse: 5x20/6.3x32 step vs voltage selec- tor	1-10 A	C14	•	•	•					•	•				•			•		•	•	•	
KE 	CE fuse: 5x20/6.3x32 serie/parallel voltage selector	1-10 A	C14	•	•	•					•	•				•			•		•	•	•	

**Suitable for fuseholder according to IEC 60127-6 GWT

PEM type	Filter type	Current range	IEC plug type		Features								Mounting			Connection				Filter			
			Protection class I	Protection class II	V-Lock cord retaining	Fuseholder 1-pole**	Fuseholder 2-pole**	Switch 1-pole	Switch 2-pole	Switch illuminated	Voltage selector	Screw front	Screw rear	Snap-in	PCB	Quick-Connect	Solder	Wire leads	Attenu- ation	Leakage current			
		0 10 20 A																					
Appliance inlet with switch																							
DC11		DC12 for high inrush current optional white color	1-10 A		C14 C18	•			•	•	•		•	•	•		•		•	•			
DC21		DC22 for high inrush current optional C X1	1-10 A		C14	•				•	•		•				•		•	•			
EC11		EC12 pre-wired for high inrush current	12-16 A IEC 12-20 A UL		C20	•				•				•			•		•	•			
Appliance inlet with fuse holder and switch																							
DD11		DD12 ultra compact for high inrush current	1-10 A IEC 1-8 A UL		C14		•	•	•		•	•		•			•		•	•			
		DD14 ultra compact for high inrush current	1-10 A		C14		•	•	•		•	•		•			•		•	•			
DD21		DD22 PCB mounting for high inrush current	1-10 A		C14		•	•	•		•	•		•			•		•	•			
KM		KMF ultra compact	1-10 A		C14 C18		•	•		•				•			•		•	•			
KD		CD multifunctional fuse: 5x20 / 6.3x32	1-10 A		C14		•	•	•		•	•	•	•			•		•	•			
KG		CG multifunctional fuse: 5x20 / 6.3x32	1-10 A		C14		•	•	•		•	•	•	•			•		•	•			
6765		FKH compact side flange mounting	1-10 A		C14			•		•				•			•		•	•			
		FKI compact side flange mounting	1-10 A		C14			•		•				•			•		•	•			
		FKHD double stage filter side flange mounting	1-10 A		C14			•		•				•			•		•	•			
		FKID double stage filter side flange mounting	1-10 A		C14				•	•				•			•		•	•			
Felcom 64		Felcom 54 modular system on PCB	1-10 A		C14			•	•	•				•			•	•	•	•			
Appliance inlet with circuit breaker																							
DF11		DF12 recessed switch pre-wired	1-10 A IEC 1-15 A UL		C14		•			•	•		•				•		•	•			
6145		5145 pre-wired	1-10 A IEC 1-15 A UL		C14 C18		•			•	•		•				•		•	•			
EF11		EF12 recessed switch pre-wired	12-16 A IEC 12-20 A UL		C20		•			•	•		•				•		•	•			

**Suitable for fuseholder according to IEC 60127-6 GWT

Web information

At schurter.com you can enter the filter type (e.g. DC12) into the search box and download the data sheets containing all relevant details. schurter.com/emc

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Product overview

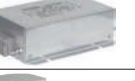
1-Phase AC filters/DC filters

Web Information

At schurter.com you can enter the filter type (e.g. FMBB) into the search box and download the data sheets containing all relevant details.
schurter.com/emc

1-Phase AC filters/DC filters				Application				Attenuation				Leakage current				Connection					
Web Information		Filter type	Rated voltages	Current range	General purpose	Industrial	Medical	IT / Telecom	Standard 20 - 50 dB	High 40 - 70 dB	Very high 60 - 80 dB	Excellent > 70 dB	Medical < 5 µA	Medical < 80 µA	Standard < 0.5 mA	Industrial > 0.5 mA	Cage clamp	Quick connect	Bolt and nut	Screw terminals	Wire leads
At schurter.com you can enter the filter type (e.g. FMBB) into the search box and download the data sheets containing all relevant details. schurter.com/emc																					
Single stage filter																					
	5500 optional shield PCB mounting	125 VAC 250 VAC	1 - 10 A	•		•			•				•		•						
	FMAB-72 aluminium shield PCB mounting	125 VAC 250 VAC	2 - 16 A	•		•			•				•	•	•						
	FMLB-09 / -41 / -51 cost optimized	125 VAC 250 VAC	1 - 20 A	•	•	•			•				•	•	•			•			•
	FMW-41 / FMW-55 optional surge protection / industrial application	125 VAC 250 VAC	1 - 10 A 10 - 20 A	•	•	•			•				•	•	•			•			•
	FMAB broad band attenuation	125 VAC 250 VAC	12 - 30 A	•	•		•				•	•				•				•	
	FMAB NEO high symmetrical attenuation	125 VAC 250 VAC	1 - 60 A	•	•	•	•				•	•	•	•	•	•		•	•		•
	FMAB CEE high symmetrical attenuation	125 VAC 250 VAC	16 - 32 A	•	•					•						•				•	
	FMAB-RAIL DIN rail mounting	125 VAC 250 VAC	12 - 30 A	•	•					•	•					•				•	
	FMEB DC single pole	43 VDC 80 VDC	5 - 30 A				•		•				not applicable					•		•	
	FMEC DC dual pole	± 80 VDC	5 - 30 A				•		•				not applicable					•		•	
Double stage filter																					
	FMBB broad band attenuation	125 VAC 250 VAC	8 - 25 A	•	•							•			•	•				•	•
	FMBB-NEO broad band attenuation	125 VAC 250 VAC	1 - 36 A	•	•	•					•	•	•	•	•	•		•	•		•
	FPBB-RAIL DIN rail mounting broad band	250 VAC 250 VDC	1 - 16 A	•	•	•	•				•		•	•	•	•	•				
	FMBB-RAIL DIN rail mounting	125 VAC 250 VAC	1 - 10 A	•	•					•	•				•	•				•	
	FSW high asymmetrical attenuation	125 VAC 250 VAC	3 - 36 A	•	•						•				•	•		•	•		
	FSS high symmetrical attenuation	125 VAC 250 VAC	1 - 10 A	•	•					•					•	•		•		•	
Multi stage filter																					
	FMW-150 high attenuation	125 VAC 250 VAC	4 - 30 A	•	•					•	•	•				•				•	

3-Phase AC filters/DC filters

3-Phase AC filters/DC filters					Application				Attenuation				Leakage current			Connection			
Filter type	Phases neutral	Rated voltages	Current range	02500 A	General purpose	Drives	Industrial	Renewable energy	Standard 20 - 50 dB	High 40 - 70 dB	Very high 60 - 80 dB	Excellent > 70 dB	Standard < 1 mA	Industrial < 15 mA	Industrial > 15 mA	Quick connect	Bolt and nut	Screw terminals	Bus bar
Single stage filter																			
	FMAC wide current range	3P	480 VAC 520 VAC	6 - 1100 A	•	•	•	•		•	•	•			•			•	•
	FMAC ECO cost optimized	3P	480 VAC	16 - 150 A	•	•	•	•		•	•				•			•	
	FMAC NEO very high attenuation	3P	300 VAC 520 VAC	16 - 230 A		•	•				•	•		•				•	
	FMAC RAIL DIN rail mounting	3P	480 VAC	3 - 20 A	•		•		•				•	•				•	
	FMW4-65 compact design	3P N	440 VAC	3 - 20 A	•		•		•				•	•		•			
	FMAD high attenuation	3P N	277 VAC 480 VAC	6 - 250 A	•	•	•	•		•	•			•				•	
	FMAD CEE CEE connector	3P N	415 VAC 480 VAC	16 - 32 A	•		•			•				•				•	
	FMAD RAIL DIN rail mounting	3P N	277 VAC 480 VAC	3 - 20 A	•		•		•	•			•	•				•	
	FMER SOL high power DC photovoltaic Filter	2P	1200 VDC	25 - 2300 A				•			•	•	not applicable					•	•
Double stage filter																			
	FMBC ECO cost optimized	3P	480 VAC	10 - 115 A	•	•	•	•		•	•			•				•	
	FMBC NEO light weight	3P	480 VAC 520 VAC	7 - 180 A	•	•	•	•			•	•			•			•	
	FMBC LL low leakage currents	3P	520 VAC	7 - 180 A	•	•	•	•			•	•		•	•			•	
	FMBC BOOK STYLE slim design	3P	480 VAC	10 - 115 A	•	•	•				•	•		•				•	
	FMW4-81(95) compact design	3P N		4 - 6 A		•	•				•	•	•			•			
	FMBD NEO excellent performance	3P N	300 VAC 520 VAC	8 - 200 A	•	•	•	•			•	•	•					•	
Multi stage filter																			
	FMCC SOL compact for high power	3P	520 VAC 760 VAC	150 - 2500 A	•	•	•	•			•			•			•		•
Output filter																			
	FMAC OUT high voltage	3P	550 VAC	8 - 32 A		•	•		•				•					•	
	FMAC SINE / FMAC SINE DCL optional voltage DC link	3P	500 VAC 288 VAC	4 - 16 A		•	•		•				•					•	
						•	•		•					•				•	

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Product overview chokes

Product overview chokes					Style		Terminals			Features						
Type	Rated voltage	Current range		Inductance range		Horizontal	Vertical	SMD	THT	Wire leads	UL, CSA approval	ENEC approval	3D CAD data	PCB library	SPICE library	
		0	25	50 A	0											50
1-phase current compensated choke																
	DKFS SMD, compact	250 VAC	0.4 - 4 A		0.5 - 39 mH		•	•	•			•		•	•	
	DKFP wide range	250 VAC	0.3 - 10 A		0.5 - 100 mH		•	•		•		•		•	•	
	DFKH tall design	440 VAC	0.6 - 6.3 A		0.6 - 50 mH			•		•		•		•	•	
	DFKF flat design	440 VAC	0.4 - 6.3 A		0.6 - 40 mH		•			•		•		•	•	
	DKIH-1 nanocrystalline versions	300 VAC 425 VDC	10 - 50 A		0.15 - 6.9 mH		•		•		•	•	•	•	•	
	DFK fully potted	440 VAC	0.5 - 15 A		1 - 20 mH		•			•	•		•	•	•	
	DKLL-1 high inductance	540 VAC 760 VDC	4 - 7 A		14 - 60 mH		•			•		•		•	•	
	DKLP-1 high inductance	540 VAC 760 VDC	4 - 20 A		14 - 60 mH		•			•		•		•	•	
	DKIL-1 fully potted	540 VAC 760 VDC	10 - 20 A		1.1 - 12 mH		•			•		•		•	•	
	DKIP-1 fully potted	540 VAC 760 VDC	10 - 50 A		1.1 - 12 mH		•			•		•		•	•	
3-phase current compensated choke																
	DKIH-3 nanocrystalline versions	600 VAC	10 - 50 A		0.08 - 10.8 mH		•			•			•	•		
	DKLL-3 high inductance	540 VAC 760 VDC	3 - 8 A		4 - 50 mH		•			•		•				
	DKLP-3 high inductance	540 VAC 760 VDC	3 - 16 A		4 - 50 mH		•			•		•				
	DKIL-3 fully potted	540 VAC 760 VDC	10 - 20 A		0.6 - 5 mH		•			•		•				
	DKIP-3 fully potted	540 VAC 760 VDC	10 - 50 A		0.6 - 5 mH		•			•		•				
Linear choke																
	DLNP compact	600 VDC	0.6 - 1 A		0.05 - 0.1 mH			•		•			•			
	DLH tall design	600 VDC	0.45 - 7 A		0.02 - 5.5 mH			•		•			•			
	DLF flat design	600 VDC	0.45 - 7 A		0.015 - 3 mH		•			•			•			
	DLO open version	600 VDC	0.45 - 7 A		0.02 - 5 mH			•		•						

					Style		Terminals			Features				
Type	Rated voltage	Current range		Iniductance range	Horizontal	Vertical	SMD	THT	Wire leads	UL, CSA approval	ENEC approval	3D CAD data	PCB library	SPICE library
		0	25	50 A										
Storage choke														
	DSHP compact	600 VDC	0.6 - 1 A		0.04 - 0.1 mH			•		•			•	
	DSF flat design	600 VDC	0.45 - 4.5 A		0.011 - 3.7 mH		•			•			•	
	DSH tall design	600 VDC	0.45 - 4.5 A		0.01 - 2 mH			•		•			•	
	DS fully potted	600 VDC	0.5 - 16 A		0.01 - 1 mH		•			•			•	
	DSO open version	600 VDC	0.5 - 16 A		0.01 - 1 mH			•		•				
Saturating choke														
	DFSG fully potted	440 VAC	0.8 - 10 A				•			•			•	
	DLFP linear/saturation choke	440 VAC	5 - 45 A		0.15 - 1 mH		•			•			•	
	DLFL linear/saturation choke	440 VAC	5 - 45 A		0.15 - 1 mH		•			•			•	
Ground choke														
	DEH cylinder core		16 - 25 A		0.02 - 0.04 mH		•			•			•	
	DEN fully potted		16 - 25 A		4 mH		•			•			•	
	DENO open version		16 - 25 A		2 - 4 mH			•		•				
Pulse transformer														
	IT high insulation rating	600 VAC	Turns ratio 1:1, 2:1, 1:1:1		Insulation 3.2 kVAC		•			•			•	
	IS high insulation rating	600 VAC	1:1, 2:1, 1:1:1		3.2 kVAC		•		•				•	
	IL cost optimized	500 VAC	1:1, 2:1, 1:1:1		2.2 kVAC		•			•			•	
	ILR cost optimized	500 VAC	1:1, 2:1, 3:1, 1:1:1		2.2 kVAC		•			•			•	
	IX up to 2 W	500 VAC	1:1:1, 3:1:1		2.2 kVAC		•			•			•	
Customized windings														



Windings on customized
coilformers



Transformers,
transmitter, chokes



Winding on toroids

Web Information

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Product overview pushbutton switches

Metal Line
 Print Mount
 Panel Mount

Web Information

At schurter.com you can enter the switch type (e.g. MCS) into the search box and download the data sheets containing all relevant details.

schurter.com/switches

Metal Line Print Mount Panel Mount				Application								Illumination				Special features					Connection											
				General purpose	Terminal equipment	Medical	Sanitary	Maritime industry	Food service & processing industry	Explosion proof / intrinsically safe	Transportation / public application	Point illumination	Ring illumination	Full surface backlighting	Various color options	Multicolor (RGB)	Lettering	Various housing colors	Stainless steel versions	Aluminium versions and others	IP - Protection	Mechanical impact resistance	PCB / Pin connection	Quick connect	Soldering terminal	Fast wiring with screw	Wire leads					
Web Information At schurter.com you can enter the switch type (e.g. MCS) into the search box and download the data sheets containing all relevant details. schurter.com/switches				Switch types	Rated voltages	Current range																										
Switches with mechanical actuation																																
	MCS 19 tactile	24/48 VDC	80/125 mA	•	•	•	•				•			•		•	•	•	•	IP 65	IK 05	•		•	•							
	MCS 30 tactile	48 VDC	125 mA	•	•	•					•	•		•	•	•		•	•	IP 65	IK 05					•						
	MCS ES 18 momentary	36 VDC	2 A	•													•		IP 65	IK 07					•							
	MCS ES 22 momentary	24 VDC	50 mA	•													•		IP 40	IK 07					•							
	MSM 16 momentary	30 VDC 125/250 VAC	0.1 - 10 A	•	•	•	•	•	•			•		•		•	•	•	•	IP 67	IK 06		•	•								
	MSM 19 momentary	30 VDC 125/250 VAC	0.1 - 10 A	•	•	•	•	•	•		•	•		•	•	•	•	•	•	IP 67	IK 07		•	•								
	MSM 22 momentary	30 VDC 125/250 VAC	0.1 - 10 A	•	•	•	•	•	•		•	•		•	•	•	•	•	•	IP 67	IK 07		•	•								
	MSM 30 momentary	30 VDC 125/250 VAC	0.1 - 10 A	•	•	•	•	•	•		•	•		•	•	•	•	•	•	IP 67	IK 07		•	•								
	MSM CS 16 CS-ceramic actuator	30 VDC 125/250 VAC	0.1 - 10 A	•	•	•	•	•	•				•	•		•	•	•	•	IP 69	IK 07		•	•								
	MSM CS 19 CS-ceramic actuator	30 VDC 125/250 VAC	0.1 - 10 A	•	•	•	•	•	•				•	•	•	•	•	•	•	IP 69	IK 07		•	•								
	MSM CS 22 CS-ceramic actuator	30 VDC 125/250 VAC	0.1 - 10 A	•	•	•	•	•	•				•	•	•	•	•	•	•	IP 69	IK 07		•	•								
	MSM DP 19, 22, 30 DP-double pole	30 VDC 125/250 VAC	0.1 - 10 A	•	•	•	•	•	•		•	•		•		•	•	•	•	IP 69	IK 07		•	•								
	MSM LA (CS) 19, 22 LA-latching (on-off)	30 VDC 125/250 VAC	0.5 - 12 A	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	IP 64	IK 07		•	•								
Switches and Touchscreens with capacitive actuation																																
	CPS capacitive actuation	42 VAC 60 VDC	100 mA	•	•	•	•	•	•			•	•	•	•	•		•	IP 67	IK 09						•						
	CDS 1 touch display	3.3 VDC	260 mA	•	•	•	•	•	•					•		•		•	IP 67	IK 05		•										
	TouchKit touch display	3.5V - 5.5V	<50 mA	•	•	•			•	•			•	•	•	•																

Metal Line

Print Mount

Panel Mount

Metal Line Print Mount Panel Mount				Application								Illumination					Special features					Connection					
				General purpose	Terminal equipment	Medical	Sanitary	Maritime industry	Food service & processing industry	Explosion proof / intrinsically safe	Transportation / public application	Point illumination	Ring illumination	Full surface backlighting	Various color options	Multicolor (RGB)	Lettering	Various housing colors	Stainless steel versions	Aluminium versions and others	IP - Protection	Mechanical impact resistance	PCB / pin connection	Quick connect	Soldering terminal	Fast wiring with screw	Wire leads
Switches with piezo pulse actuation																											
	PSE NO 16 standard pulse	42 VAC 60 VDC	100 mA	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	IP 67	IK 02	•				•	•	
	PSE NO 19 standard pulse	42 VAC 60 VDC	100 mA	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	IP 67	IK 02	•				•	•	
Switches with piezo pulse actuation																											
	PSE NO 22 standard pulse	42 VAC 60 VDC	100 mA	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	IP 67	IK 02	•				•	•	
	PSE NO 24 standard pulse	42 VAC 60 VDC	100 mA	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	IP 67	IK 02	•				•	•	
	PSE NO 27 standard pulse	42 VAC 60 VDC	100 mA	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	IP 67	IK 02	•				•	•	
	PSE NO 30 standard pulse	42 VAC 60 VDC	100 mA	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	IP 67	IK 02	•				•	•	
	PSE EX 16, 19, 22 EX - intrinsically safe	24 VAC 24 VDC	40 mA							•							•	•	IP 67	IK 02	•				•		
	PSE HI 22 HI - high impact	42 VAC 60 VDC	100 mA	•	•		•				•						•	•	IP 67	IK 06					•		
	PSE IV 22 IV - extended pulse	32 VAC 48 VDC	1 A	•	•	•	•	•	•		•	•	•	•	•	•	•	•	IP 67	IK 02	•				•		
Public transport switch																											
	PTS door control switch	5-137 VDC	5-250 mA								•		•	•	•	•	•		IP 67						•		
Print mount switches																											
	SMS/PMS SMD or THT	32 VAC 42 VDC	50 mA	•	•	•											•		IP 67		•						
	MCS 18 Print specific lettering	48 VDC	125 mA	•	•	•											•	•	IP 65		•						
	6x6 Switches different shapes	12 VDC	50 mA	•	•	•													IP 40		•						
	MTG configurable height	24 VDC	50 mA	•	•	•											•		IP 40		•						
	SDK opening or closing contact	125 VAC 50 VDS	43 mA 80 VAC	•	•	•						•					•		IP 40		•						
Panel mount switches																											
	LDT momentary switch	60 VAC 50 VDS	200 mA	•	•	•							•	•			•		IP 40				•				
	LDS latching switch	60 VAC 50 VDS	200 mA	•	•	•								•	•		•		IP 40				•				
	MCS 18 Front specific lettering	48 VDS	125 mA	•	•	•											•	•	IP 65				•				

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