Surface Mount Fuse, PPTC, 0603 to 2920 footprint, 6 - 60 VDC

new

6 - 60 VDC · 0.05 - 5 A

See below:
Approvals and Compliances

Description
- Standard SMD mils footprint
- Surface Mount packaging for automated assembly
- Compatible with Pb and Pb-free solder reflow profiles

Unique Selling Proposition
- Small size saves PCB space and reduces costs
- Wide selection offers design flexibility
- Suitable for high-volume electronics assembly
- Higher voltage rating enables new application uses

Applications
- Entertainment Equipment
- Automotive electronics
- Telecommunications
- Computer & Peripherals
- Industrial equipment
- Battery

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

Technical Data

V max	6 - 60 VDC
Imax	10 - 100 A
I hold	0.05 - 5 A
Attachment	PCB,SMT
Allowable Operation Temperature	-40 °C to 85 °C
Material: Terminals	Tin-Plated Copper
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	see table of variants

Soldering Methods	Reflow Soldering Profile
Solderability	245 °C ±5 °C , 5 sec, > 95 % coverage
Passing Aging	+85 °C, 1000 hours, Rmin < R < R1max
Humidity Aging	+85 °C, 85% r.h., 1000 hours, Rmin < R < R1max
Thermal Shock	30 min@-40 °C ~ 30 min@125 °C, 20 cycles, Rmin < R < R1max
Vibration	MIL-STD-883C, Method 2007.1, Test Condition A, Rmin < R < R1max
Resistance to Solvents	MIL-STD-202, Method 215

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: PFTL

Approval Logo	Certificates	Certification Body	Description
c UL us	UL Approvals	UL	UR File Number: E553873

Product standards

Product standards that are referenced

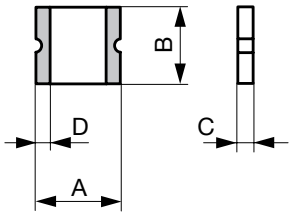
Organization	Design	Standard	Description
UL	Designed according to	UL 248-14	Low voltage fuses - Part 14: Supplemental fuses
CSA Group	Designed according to	CSA22.2 No. 248.14	Low-Voltage Fuses - Part 14: Supplemental Fuses

Compliances

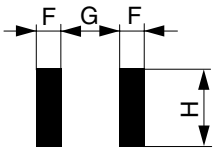
The product complies with following Guide Lines

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 COMPLIANT	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
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.

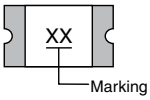
Dimension [mm]



Soldering pads

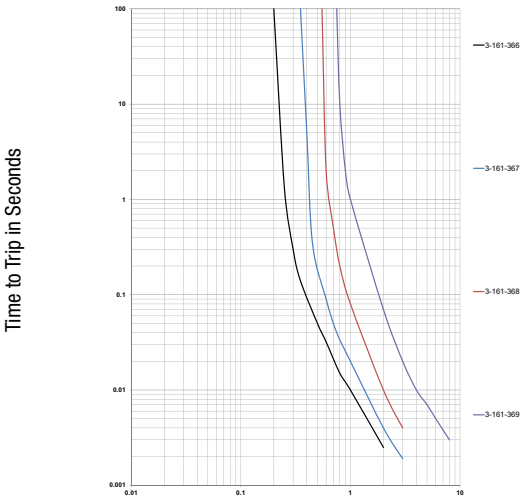


Part marking

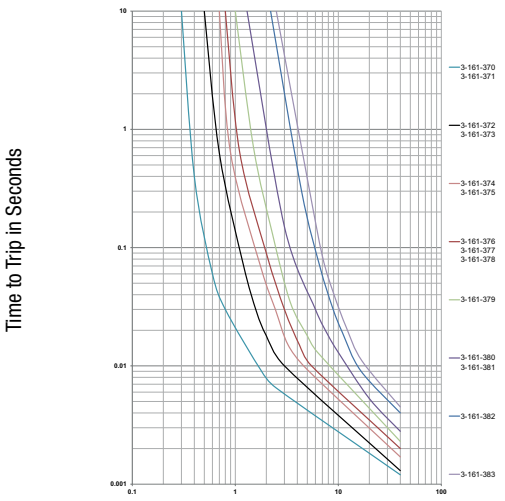


Time-Current-Curves

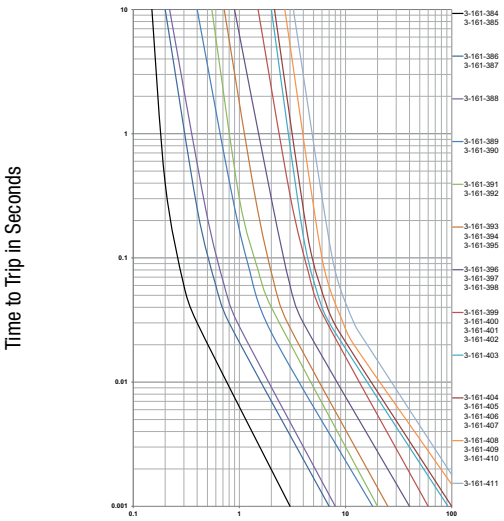
0603 footprint



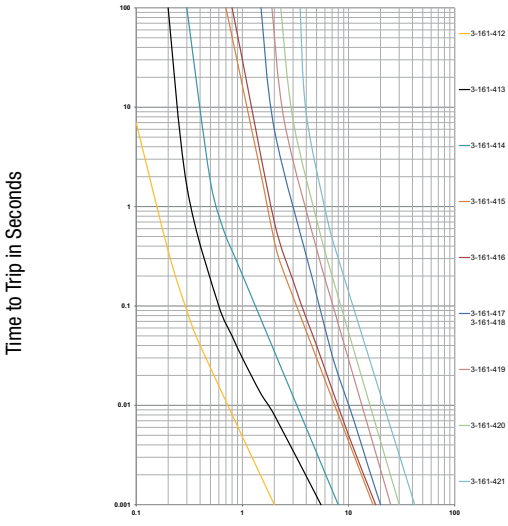
0805 footprint



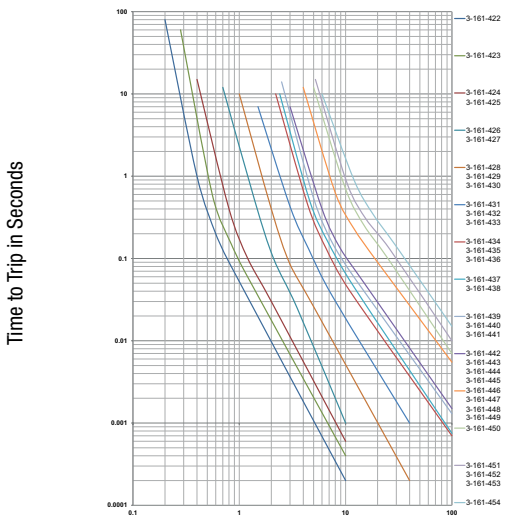
1206 footprint



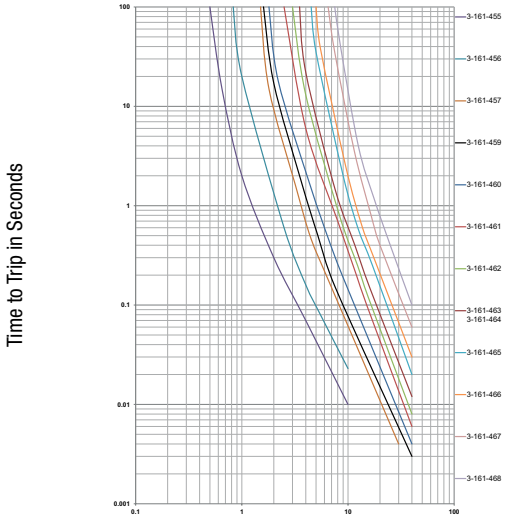
1210 footprint



1812 footprint



2920 footprint



Dimensions

Size	A min [mm]	A max [mm]	B min [mm]	B max [mm]	C min [mm]	C max [mm]	D min [mm]	F [mm]	G [mm]	H [mm]	Packaging [PCS]	Order Number
0603	1.45	1.85	0.65	1.05	0.35	0.85	0.2	0.75	1	1	5000	3-161-366
0603	1.45	1.85	0.65	1.05	0.3	0.75	0.2	0.75	1	1	5000	3-161-367
0603	1.45	1.85	0.65	1.05	0.3	0.75	0.2	0.75	1	1	5000	3-161-368
0603	1.45	1.85	0.65	1.05	0.6	1	0.2	0.75	1	1	4000	3-161-369
0805	2	2.3	1.2	1.5	0.55	0.95	0.2	1	1.2	1.5	3500	3-161-370
0805	2	2.3	1.2	1.5	0.55	0.95	0.2	1	1.2	1.5	3500	3-161-371
0805	2	2.3	1.2	1.5	0.55	0.95	0.2	1	1.2	1.5	3500	3-161-372
0805	2	2.3	1.2	1.5	0.6	1	0.2	1	1.2	1.5	3500	3-161-373
0805	2	2.3	1.2	1.5	0.4	0.8	0.2	1	1.2	1.5	4500	3-161-374
0805	2	2.3	1.2	1.5	0.4	0.8	0.2	1	1.2	1.5	4500	3-161-375
0805	2	2.3	1.2	1.5	0.4	0.8	0.2	1	1.2	1.5	4500	3-161-376
0805	2	2.3	1.2	1.5	0.6	1.1	0.2	1	1.2	1.5	3500	3-161-377
0805	2	2.3	1.2	1.5	0.7	1.2	0.2	1	1.2	1.5	3500	3-161-378
0805	2	2.3	1.2	1.5	0.6	1	0.2	1	1.2	1.5	3500	3-161-379
0805	2	2.3	1.2	1.5	0.6	1	0.2	1	1.2	1.5	3500	3-161-380
0805	2	2.3	1.2	1.5	0.75	1.15	0.2	1	1.2	1.5	3500	3-161-381
0805	2	2.3	1.2	1.5	0.6	1	0.2	1	1.2	1.5	3500	3-161-382
0805	2	2.3	1.2	1.5	0.75	1.25	0.2	1	1.2	1.5	3500	3-161-383
1206	3	3.4	1.4	1.8	0.8	1.2	0.25	1	2	1.6	3500	3-161-384
1206	3	3.4	1.4	1.8	0.8	1.2	0.25	1	2	1.6	3500	3-161-385
1206	3	3.4	1.4	1.8	0.8	1.2	0.25	1	2	1.6	3500	3-161-386
1206	3	3.4	1.4	1.8	0.8	1.2	0.25	1	2	1.6	3500	3-161-387
1206	3	3.4	1.4	1.8	0.8	1.2	0.25	1	2	1.6	3500	3-161-388
1206	3	3.4	1.4	1.8	0.6	1	0.25	1	2	1.6	4000	3-161-389
1206	3	3.4	1.4	1.8	0.6	1	0.25	1	2	1.6	4000	3-161-390
1206	3	3.4	1.4	1.8	0.6	1	0.25	1	2	1.6	4000	3-161-391
1206	3	3.4	1.4	1.8	0.6	1	0.25	1	2	1.6	4000	3-161-392
1206	3	3.4	1.4	1.8	0.6	1	0.25	1	2	1.6	4000	3-161-393
1206	3	3.4	1.4	1.8	0.6	1	0.25	1	2	1.6	4000	3-161-394
1206	3	3.4	1.4	1.8	0.75	1.45	0.25	1	2	1.6	4000	3-161-395

Size	A min [mm]	A max [mm]	B min [mm]	B max [mm]	C min [mm]	C max [mm]	D min [mm]	F [mm]	G [mm]	H [mm]	Packaging [PCS]	Order Number
1206	3	3.4	1.4	1.8	0.55	0.75	0.25	1	2	1.6	4000	3-161-396
1206	3	3.4	1.4	1.8	0.55	0.75	0.25	1	2	1.6	4000	3-161-397
1206	3	3.4	1.4	1.8	0.9	1.3	0.25	1	2	1.6	3500	3-161-398
1206	3	3.4	1.4	1.8	0.45	0.85	0.25	1	2	1.6	4000	3-161-399
1206	3	3.4	1.4	1.8	0.45	0.85	0.25	1	2	1.6	4000	3-161-400
1206	3	3.4	1.4	1.8	0.45	0.85	0.25	1	2	1.6	4000	3-161-401
1206	3	3.4	1.4	1.8	0.7	1.1	0.25	1	2	1.6	3500	3-161-402
1206	3	3.4	1.4	1.8	0.6	1	0.25	1	2	1.6	3500	3-161-403
1206	3	3.4	1.4	1.8	0.6	1	0.25	1	2	1.6	3500	3-161-404
1206	3	3.4	1.4	1.8	0.6	1	0.25	1	2	1.6	3500	3-161-405
1206	3	3.4	1.4	1.8	0.6	1	0.25	1	2	1.6	3500	3-161-406
1206	3	3.4	1.4	1.8	0.9	1.4	0.25	1	2	1.6	3500	3-161-407
1206	3	3.4	1.4	1.8	0.6	1	0.25	1	2	1.6	3500	3-161-408
1206	3	3.4	1.4	1.8	0.6	1	0.25	1	2	1.6	3500	3-161-409
1206	3	3.4	1.4	1.8	0.8	1.2	0.25	1	2	1.6	3500	3-161-410
1206	3	3.5	1.4	1.8	0.6	1	0.25	1	2	1.6	3500	3-161-411
1210	3	3.43	2.35	2.8	0.8	1.2	0.3	1	2	2.5	3500	3-161-412
1210	3	3.43	2.35	2.8	0.8	1.2	0.3	1	2	2.5	3500	3-161-413
1210	3	3.43	2.35	2.8	0.8	1.2	0.3	1	2	2.5	3500	3-161-414
1210	3	3.43	2.35	2.8	0.6	1	0.3	1	2	2.5	4000	3-161-415
1210	3	3.43	2.35	2.8	0.6	1	0.3	1	2	2.5	4000	3-161-416
1210	3	3.43	2.35	2.8	0.6	1	0.3	1	2	2.5	4000	3-161-417
1210	3	3.43	2.35	2.8	0.6	1	0.3	1	2	2.5	4000	3-161-418
1210	3	3.43	2.35	2.8	0.45	0.85	0.3	1	2	2.5	4000	3-161-419
1210	3	3.43	2.35	2.8	0.6	1	0.3	1	2	2.5	3500	3-161-420
1210	3	3.43	2.35	2.8	0.6	1	0.3	1	2	2.5	3500	3-161-421
1812	4.37	4.73	3.07	3.41	0.8	1.2	0.3	1.5	2.7	3.2	1500	3-161-422
1812	4.37	4.73	3.07	3.41	0.8	1.2	0.3	1.5	2.7	3.2	1500	3-161-423
1812	4.37	4.73	3.07	3.41	0.8	1.2	0.3	1.5	2.7	3.2	1500	3-161-424
1812	4.37	4.73	3.07	3.41	0.8	1.2	0.3	1.5	2.7	3.2	1500	3-161-425
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	1500	3-161-426
1812	4.37	4.73	3.07	3.41	0.9	1.6	0.3	1.5	2.7	3.2	1500	3-161-427
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	2000	3-161-428
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	2000	3-161-429
1812	4.37	4.73	3.07	3.41	1.1	1.5	0.3	1.5	2.7	3.2	1000	3-161-430
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	2000	3-161-431
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	2000	3-161-432
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	2000	3-161-433
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	2000	3-161-434
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	2000	3-161-435
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	2000	3-161-436
1812	4.37	4.73	3.07	3.41	0.8	1.2	0.3	1.5	2.7	3.2	1500	3-161-437
1812	4.37	4.73	3.07	3.41	0.8	1.4	0.3	1.5	2.7	3.2	1500	3-161-438
1812	4.37	4.73	3.07	3.41	0.45	0.85	0.3	1.5	2.7	3.2	2000	3-161-439
1812	4.37	4.73	3.07	3.41	0.45	0.85	0.3	1.5	2.7	3.2	2000	3-161-440
1812	4.37	4.73	3.07	3.41	1.1	1.5	0.3	1.5	2.7	3.2	1000	3-161-441
1812	4.37	4.73	3.07	3.41	0.45	0.85	0.3	1.5	2.7	3.2	2000	3-161-442
1812	4.37	4.73	3.07	3.41	0.45	0.85	0.3	1.5	2.7	3.2	2000	3-161-443
1812	4.37	4.73	3.07	3.41	1.2	1.7	0.3	1.5	2.7	3.2	1000	3-161-444
1812	4.37	4.73	3.07	3.41	0.9	1.5	0.3	1.5	2.7	3.2	1500	3-161-445
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	1500	3-161-446
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	1500	3-161-447
1812	4.37	4.73	3.07	3.41	0.9	1.3	0.3	1.5	2.7	3.2	1500	3-161-448
1812	4.37	4.73	3.07	3.41	1.3	1.7	0.3	1.5	2.7	3.2	1000	3-161-449
1812	4.37	4.73	3.07	3.41	0.9	1.3	0.3	1.5	2.7	3.2	1500	3-161-450

Size	A min [mm]	A max [mm]	B min [mm]	B max [mm]	C min [mm]	C max [mm]	D min [mm]	F [mm]	G [mm]	H [mm]	Packaging [PCS]	Order Number
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	1500	3-161-451
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	1500	3-161-452
1812	4.37	4.73	3.07	3.41	0.9	1.3	0.3	1.5	2.7	3.2	1500	3-161-453
1812	4.37	4.73	3.07	3.41	0.6	1	0.3	1.5	2.7	3.2	1500	3-161-454
2920	6.73	7.98	4.8	5.44	0.75	1.25	0.3	2	4.6	5.3	1500	3-161-455
2920	6.73	7.98	4.8	5.44	0.75	1.25	0.3	2	4.6	5.3	1500	3-161-456
2920	6.73	7.98	4.8	5.44	1	1.5	0.3	2	4.6	5.3	1000	3-161-457
2920	6.73	7.98	4.8	5.44	0.65	1.05	0.3	2	4.6	5.3	1500	3-161-458
2920	6.73	7.98	4.8	5.44	0.95	1.85	0.3	2	4.6	5.3	1000	3-161-459
2920	6.73	7.98	4.8	5.44	0.95	1.85	0.3	2	4.6	5.3	1000	3-161-460
2920	6.73	7.98	4.8	5.44	0.9	1.3	0.3	2	4.6	5.3	1000	3-161-461
2920	6.73	7.98	4.8	5.44	0.9	1.3	0.3	2	4.6	5.3	1000	3-161-462
2920	6.73	7.98	4.8	5.44	0.9	1.3	0.3	2	4.6	5.3	1000	3-161-463
2920	6.73	7.98	4.8	5.44	0.9	1.3	0.3	2	4.6	5.3	1000	3-161-464
2920	6.73	7.98	4.8	5.44	0.7	1.3	0.3	2	4.6	5.3	1000	3-161-465
2920	6.73	7.98	4.8	5.44	1.1	1.5	0.3	2	4.6	5.3	1000	3-161-466
2920	6.73	7.98	4.8	5.44	1.1	1.5	0.3	2	4.6	5.3	1000	3-161-467
2920	6.73	7.98	4.8	5.44	1	1.4	0.3	2	4.6	5.3	1000	3-161-468

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

Thermal Derating Chart Ihold [A]

-40 °C	-20 °C	0 °C	25 °C	40 °C	50 °C	60 °C	70 °C	85 °C	Order Number
0.13	0.12	0.11	0.1	0.08	0.07	0.06	0.05	0.03	3-161-366
0.27	0.25	0.23	0.2	0.17	0.14	0.12	0.1	0.07	3-161-367
0.47	0.41	0.38	0.35	0.29	0.26	0.24	0.2	0.14	3-161-368
0.67	0.59	0.54	0.5	0.41	0.37	0.34	0.29	0.2	3-161-369
0.15	0.13	0.12	0.1	0.09	0.08	0.07	0.06	0.05	3-161-370
0.15	0.13	0.12	0.1	0.09	0.08	0.07	0.06	0.05	3-161-371
0.28	0.25	0.23	0.2	0.17	0.14	0.12	0.1	0.07	3-161-372
0.28	0.26	0.23	0.2	0.17	0.14	0.12	0.1	0.07	3-161-373
0.47	0.44	0.39	0.35	0.3	0.27	0.24	0.2	0.14	3-161-374
0.47	0.44	0.39	0.35	0.3	0.27	0.24	0.2	0.14	3-161-375
0.68	0.62	0.55	0.5	0.4	0.37	0.33	0.29	0.23	3-161-376
0.68	0.62	0.55	0.5	0.4	0.37	0.33	0.29	0.23	3-161-377
0.68	0.62	0.55	0.5	0.4	0.37	0.33	0.29	0.23	3-161-378
1	0.9	0.79	0.75	0.63	0.57	0.53	0.42	0.35	3-161-379
1.45	1.35	1.2	1	0.92	0.84	0.75	0.65	0.52	3-161-380
1.25	1.2	1.1	1	0.88	0.7	0.6	0.55	0.5	3-161-381
1.45	1.35	1.2	1.1	0.92	0.84	0.75	0.65	0.52	3-161-382
1.98	1.84	1.64	1.5	1.25	1.15	1.02	0.89	0.71	3-161-383
0.08	0.07	0.06	0.05	0.05	0.04	0.04	0.03	0.03	3-161-384
0.08	0.07	0.06	0.05	0.05	0.04	0.04	0.03	0.03	3-161-385
0.16	0.14	0.13	0.1	0.09	0.08	0.075	0.07	0.06	3-161-386
0.16	0.14	0.13	0.1	0.09	0.08	0.075	0.07	0.06	3-161-387
0.19	0.17	0.15	0.12	0.11	0.1	0.09	0.08	0.07	3-161-388
0.3	0.27	0.24	0.2	0.18	0.16	0.14	0.12	0.11	3-161-389
0.3	0.27	0.24	0.2	0.18	0.16	0.14	0.12	0.11	3-161-390
0.38	0.34	0.3	0.25	0.23	0.2	0.18	0.15	0.14	3-161-391
0.38	0.34	0.3	0.25	0.23	0.2	0.18	0.15	0.14	3-161-392
0.51	0.46	0.4	0.35	0.3	0.27	0.24	0.22	0.18	3-161-393
0.51	0.46	0.4	0.35	0.3	0.27	0.24	0.22	0.18	3-161-394
0.51	0.46	0.4	0.35	0.3	0.27	0.24	0.22	0.18	3-161-395
0.76	0.68	0.59	0.5	0.44	0.4	0.35	0.32	0.26	3-161-396
0.76	0.68	0.59	0.5	0.44	0.4	0.35	0.32	0.26	3-161-397

-40 °C	-20 °C	0 °C	25 °C	40 °C	50 °C	60 °C	70 °C	85 °C	Order Number
0.76	0.68	0.59	0.5	0.4	0.35	0.31	0.28	0.25	3-161-398
1.11	1	0.85	0.75	0.67	0.61	0.52	0.5	0.42	3-161-399
1.11	1	0.85	0.75	0.67	0.61	0.52	0.5	0.42	3-161-400
1.11	1	0.85	0.75	0.67	0.61	0.52	0.5	0.42	3-161-401
1.11	1	0.85	0.75	0.67	0.61	0.52	0.5	0.42	3-161-402
1.6	1.4	1.3	1	0.9	0.8	0.75	0.7	0.6	3-161-403
1.64	1.46	1.3	1.1	0.92	0.83	0.8	0.65	0.52	3-161-404
1.64	1.46	1.3	1.1	0.92	0.83	0.8	0.65	0.52	3-161-405
1.64	1.46	1.3	1.1	0.92	0.83	0.8	0.65	0.52	3-161-406
1.64	1.46	1.3	1.1	0.92	0.83	0.8	0.65	0.52	3-161-407
2.2	1.99	1.77	1.5	1.34	1.23	1.1	1.01	0.84	3-161-408
2.2	1.99	1.77	1.5	1.34	1.23	1.1	1.01	0.84	3-161-409
2.2	1.99	1.77	1.5	1.34	1.23	1.1	1.01	0.84	3-161-410
2.88	2.61	2.28	2	1.8	1.66	1.51	1.39	1.19	3-161-411
0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02	3-161-412
0.15	0.13	0.12	0.1	0.09	0.08	0.07	0.06	0.05	3-161-413
0.32	0.28	0.24	0.2	0.18	0.16	0.14	0.12	0.1	3-161-414
0.51	0.46	0.4	0.35	0.3	0.27	0.24	0.22	0.18	3-161-415
0.76	0.66	0.58	0.5	0.42	0.38	0.35	0.29	0.23	3-161-416
1.1	0.97	0.86	0.75	0.64	0.58	0.55	0.47	0.39	3-161-417
1.1	0.97	0.86	0.75	0.64	0.58	0.55	0.47	0.39	3-161-418
1.6	1.42	1.26	1.1	0.94	0.86	0.8	0.7	0.58	3-161-419
2.3	2.02	1.76	1.5	1.24	1.11	1	0.85	0.65	3-161-420
3.2	2.8	2.4	2	1.8	1.6	1.4	1.2	1	3-161-421
0.16	0.14	0.12	0.1	0.08	0.07	0.06	0.05	0.03	3-161-422
0.23	0.19	0.17	0.14	0.12	0.1	0.09	0.08	0.06	3-161-423
0.29	0.26	0.23	0.2	0.17	0.15	0.14	0.12	0.1	3-161-424
0.29	0.26	0.23	0.2	0.17	0.15	0.14	0.12	0.1	3-161-425
0.51	0.46	0.41	0.35	0.3	0.27	0.25	0.21	0.18	3-161-426
0.51	0.46	0.41	0.35	0.3	0.27	0.25	0.21	0.18	3-161-427
0.77	0.68	0.59	0.5	0.44	0.4	0.37	0.33	0.29	3-161-428
0.77	0.68	0.59	0.5	0.44	0.4	0.37	0.33	0.29	3-161-429
0.77	0.68	0.59	0.5	0.44	0.4	0.37	0.33	0.29	3-161-430
1.15	1.01	0.88	0.75	0.65	0.6	0.55	0.49	0.43	3-161-431
1.15	1.01	0.88	0.75	0.65	0.6	0.55	0.49	0.43	3-161-432
1.15	1.01	0.88	0.75	0.65	0.6	0.55	0.49	0.43	3-161-433
1.59	1.43	1.26	1.1	0.95	0.87	0.8	0.71	0.6	3-161-434
1.59	1.43	1.26	1.1	0.95	0.87	0.8	0.71	0.6	3-161-435
1.59	1.43	1.26	1.1	0.95	0.87	0.8	0.71	0.6	3-161-436
1.59	1.43	1.26	1.1	0.95	0.87	0.8	0.71	0.6	3-161-437
1.59	1.43	1.26	1.1	0.95	0.87	0.8	0.71	0.6	3-161-438
1.8	1.63	1.43	1.25	1.08	0.99	0.91	0.81	0.68	3-161-439
1.8	1.63	1.43	1.25	1.08	0.99	0.91	0.81	0.68	3-161-440
1.8	1.63	1.43	1.25	1.08	0.99	0.91	0.81	0.68	3-161-441
2.17	1.95	1.72	1.5	1.3	1.18	1.09	0.97	0.82	3-161-442
2.17	1.95	1.72	1.5	1.3	1.18	1.09	0.97	0.82	3-161-443
2.17	1.95	1.72	1.5	1.3	1.18	1.09	0.97	0.82	3-161-444
2.17	1.95	1.72	1.5	1.3	1.18	1.09	0.97	0.82	3-161-445
3.08	2.71	2.35	2	1.8	1.6	1.5	1.4	1.25	3-161-446
3.08	2.71	2.35	2	1.8	1.6	1.5	1.4	1.25	3-161-447
3.08	2.71	2.35	2	1.8	1.6	1.5	1.4	1.25	3-161-448
3.08	2.71	2.35	2	1.8	1.6	1.5	1.4	1.25	3-161-449
3.85	3.45	3	2.5	2.05	1.85	1.75	1.3	1.1	3-161-450
4	3.52	3.06	2.6	2.34	2.08	1.95	1.39	1.04	3-161-451
4	3.52	3.06	2.6	2.34	2.08	1.95	1.39	1.04	3-161-452

-40 °C	-20 °C	0 °C	25 °C	40 °C	50 °C	60 °C	70 °C	85 °C	Order Number
4	3.52	3.06	2.6	2.34	2.08	1.95	1.39	1.04	3-161-453
4.4	3.9	3.5	3	2.6	2.3	2.1	1.8	1.5	3-161-454
0.45	0.4	0.35	0.3	0.25	0.23	0.2	0.17	0.14	3-161-455
0.76	0.67	0.59	0.5	0.42	0.38	0.33	0.29	0.23	3-161-456
1.13	1.01	0.88	0.75	0.62	0.56	0.5	0.44	0.34	3-161-457
1.66	1.47	1.29	1	0.91	0.83	0.73	0.64	0.5	3-161-458
1.66	1.47	1.29	1	0.91	0.83	0.73	0.64	0.5	3-161-459
1.66	1.47	1.29	1.1	0.91	0.83	0.73	0.64	0.5	3-161-460
2.27	2.01	1.76	1.5	1.25	1.13	1	0.87	0.74	3-161-461
2.8	2.47	2.17	1.85	1.54	1.39	1.22	1.07	0.85	3-161-462
3.02	2.68	2.34	2	1.8	1.7	1.54	1.4	1.3	3-161-463
3.02	2.68	2.34	2	1.8	1.7	1.54	1.4	1.3	3-161-464
3.93	3.48	3.04	2.6	2.34	2.21	2	1.82	1.69	3-161-465
4.53	4.02	3.51	3	2.52	2.26	1.99	1.75	1.34	3-161-466
6.04	5.36	4.68	4	3.6	3.4	3.08	2.8	2.6	3-161-467
7.56	6.7	5.86	5	4.5	4.26	3.86	3.5	3.26	3-161-468

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

Electrical Characteristics at 25 °C

V max [VDC]	I max [A]	I hold [A]	I trip [A]	R initial min [Ω]	R 1hour max [Ω]	Max Time to trip [A]	Max Time to Trip [s]	Tripped Power Dissi-pation [W]	Order Number
15	40	0.1	0.3	0.9	6	0.5	1	0.50	3-161-366
9	40	0.2	0.5	0.55	3.5	1	0.6	0.50	3-161-367
6	40	0.35	0.75	0.2	1.4	8	0.1	0.50	3-161-368
6	40	0.5	1	0.1	0.8	8	0.1	0.50	3-161-369
15	100	0.1	0.3	1	7.5	0.5	1.5	0.50	3-161-370
24	100	0.1	0.3	1	7.5	0.5	1.5	0.50	3-161-371
9	100	0.2	0.5	0.65	3.5	8	0.02	0.50	3-161-372
24	100	0.2	0.5	0.5	3.2	8	0.02	0.60	3-161-373
6	100	0.35	0.75	0.25	1.2	8	0.1	0.50	3-161-374
16	100	0.35	0.75	0.25	2.1	8	0.1	0.50	3-161-375
6	100	0.5	1	0.15	0.9	8	0.1	0.50	3-161-376
16	100	0.5	1	0.15	0.9	8	0.1	0.50	3-161-377
24	40	0.5	1	0.15	0.9	8	0.1	0.50	3-161-378
6	100	0.75	1.5	0.09	0.35	8	0.2	0.60	3-161-379
6	100	1	2	0.06	0.25	8	0.3	0.60	3-161-380
12	50	1	1.95	0.07	0.325	8	0.3	0.60	3-161-381
6	100	1.1	2.2	0.06	0.21	8	0.3	0.60	3-161-382
6	100	1.5	3	0.04	0.16	8	0.5	0.60	3-161-383
30	10	0.05	0.15	2.5	40	0.25	1.5	0.40	3-161-384
60	10	0.05	0.15	2.5	40	0.25	1.5	0.40	3-161-385
30	10	0.1	0.25	1.4	15	0.5	1.2	0.40	3-161-386
60	10	0.1	0.25	1.4	15	0.5	1.2	0.40	3-161-387
30	10	0.12	0.29	1.35	8.5	8	0.1	0.40	3-161-388
24	10	0.2	0.46	0.6	2.6	8	0.1	0.60	3-161-389
30	60	0.2	0.46	0.6	3.3	1	0.6	0.60	3-161-390
16	10	0.25	0.55	0.4	1.8	1.25	0.1	0.60	3-161-391
24	10	0.25	0.55	0.4	2.4	1.25	0.6	0.60	3-161-392
6	40	0.35	0.75	0.3	1.2	8	0.1	0.60	3-161-393
16	40	0.35	0.75	0.3	1.2	8	0.1	0.60	3-161-394
30	40	0.35	0.75	0.3	1.2	8	0.1	0.60	3-161-395
13.2	40	0.5	1	0.15	0.7	8	0.1	0.40	3-161-396
16	40	0.5	1	0.15	0.75	8	0.1	0.40	3-161-397
30	40	0.5	1	0.15	1.1	8	0.1	0.50	3-161-398

V max [VDC]	I max [A]	I hold [A]	I trip [A]	R initial min [Ω]	R 1hour max [Ω]	Max Time to trip [A]	Max Time to Trip [s]	Tripped Power Dissi-pation [W]	Order Number
6	100	0.75	1.5	0.1	0.4	8	0.1	0.40	3-161-399
13.2	100	0.75	1.5	0.1	0.4	8	0.1	0.40	3-161-400
16	100	0.75	1.5	0.1	0.4	8	0.1	0.40	3-161-401
24	100	0.75	1.5	0.1	0.4	8	0.1	0.40	3-161-402
6	100	1	2	0.07	0.28	8	0.1	0.60	3-161-403
6	100	1.1	2.2	0.06	0.2	8	0.1	0.60	3-161-404
8	100	1.1	2.2	0.06	0.28	8	0.1	0.60	3-161-405
13.2	100	1.1	2.2	0.06	0.28	8	0.1	0.60	3-161-406
24	100	1.1	2.2	0.06	0.28	8	0.1	0.60	3-161-407
6	100	1.5	3	0.03	0.13	8	0.3	0.60	3-161-408
8	100	1.5	3	0.03	0.17	8	0.3	0.60	3-161-409
12	100	1.5	3	0.03	0.21	8	0.3	0.60	3-161-410
6	100	2	4	0.02	0.085	8	1	0.70	3-161-411
30	10	0.05	0.15	2.8	50	0.25	1.5	0.60	3-161-412
30	10	0.1	0.3	0.8	15	0.5	0.6	0.60	3-161-413
30	10	0.2	0.4	0.4	5	8	0.02	0.60	3-161-414
6	40	0.35	0.75	0.2	1.3	8	0.2	0.60	3-161-415
13.2	40	0.5	1	0.18	0.9	8	0.1	0.60	3-161-416
6	40	0.75	1.5	0.07	0.45	8	0.1	0.60	3-161-417
24	100	0.75	1.5	0.1	0.45	8	0.15	0.60	3-161-418
6	40	1.1	2.2	0.05	0.21	5	1	0.60	3-161-419
6	40	1.5	3	0.03	0.11	5	5	0.60	3-161-420
6	40	2	4	0.02	0.09	8	1	0.70	3-161-421
60	10	0.1	0.3	1	15	0.5	1.5	0.80	3-161-422
60	10	0.14	0.34	1	6.5	1.5	0.15	0.80	3-161-423
30	10	0.2	0.4	1	5	8	0.02	0.80	3-161-424
60	10	0.2	0.4	1	6	1.5	0.15	0.80	3-161-425
30	40	0.35	0.7	0.2	1.8	8	0.1	0.80	3-161-426
60	10	0.35	0.7	0.2	2	8	0.1	0.80	3-161-427
15	100	0.5	1	0.15	1	8	0.15	0.80	3-161-428
30	100	0.5	1	0.15	1	8	0.15	0.80	3-161-429
60	100	0.5	1	0.15	1	8	0.15	0.80	3-161-430
16	40	0.75	1.5	0.11	0.45	8	0.2	0.80	3-161-431
24	40	0.75	1.5	0.11	0.45	8	0.2	0.80	3-161-432
33	40	0.75	1.5	0.11	0.4	8	0.2	0.80	3-161-433
6	100	1.1	2.2	0.04	0.21	8	0.15	0.80	3-161-434
8	100	1.1	2.2	0.04	0.21	8	0.3	0.80	3-161-435
16	100	1.1	2.2	0.04	0.21	8	0.2	0.80	3-161-436
24	100	1.1	2.2	0.06	0.21	8	0.2	1.20	3-161-437
33	100	1.1	2.2	0.055	0.22	8	0.5	1.20	3-161-438
6	40	1.25	2.5	0.035	0.14	8	0.4	0.80	3-161-439
16	100	1.25	2.5	0.035	0.14	8	0.4	0.80	3-161-440
30	100	1.25	2.5	0.035	0.21	8	0.4	0.80	3-161-441
6	100	1.5	3	0.03	0.12	8	0.5	0.80	3-161-442
12	100	1.5	3	0.03	0.12	8	0.5	1.00	3-161-443
24	100	1.5	3	0.03	0.14	8	1.5	1.20	3-161-444
33	100	1.5	3	0.03	0.18	8	1.5	1.20	3-161-445
8	40	2	4	0.02	0.08	8	3	1.20	3-161-446
12	100	2	4	0.02	0.08	8	3	1.20	3-161-447
16	100	2	4	0.02	0.08	8	3	1.20	3-161-448
24	40	2	4	0.02	0.1	8	3	1.20	3-161-449
16	100	2.5	5	0.015	0.1	8	5	1.20	3-161-450
6	100	2.6	5.2	0.015	0.1	8	5	1.20	3-161-451
12	100	2.6	5.2	0.015	0.08	8	5	1.20	3-161-452
16	100	2.6	5.2	0.015	0.08	8	5	1.20	3-161-453

V max [VDC]	I max [A]	I hold [A]	I trip [A]	R initial min [Ω]	R 1hour max [Ω]	Max Time to trip [A]	Max Time to Trip [s]	Tripped Power Dissi-pation [W]	Order Number
6	100	3	6	0.012	0.06	8	5	1.20	3-161-454
60	10	0.3	0.6	0.6	4.3	1.5	3	1.50	3-161-455
60	10	0.5	1	0.18	1.4	2.5	3	1.50	3-161-456
60	40	0.75	1.5	0.1	1	8	0.3	1.50	3-161-457
33	40	1	2	0.065	0.41	8	0.5	1.50	3-161-458
60	100	1	2	0.09	0.41	8	0.5	1.50	3-161-459
60	100	1.1	2	0.09	0.41	8	0.5	1.50	3-161-460
33	100	1.5	3	0.035	0.23	8	2	1.50	3-161-461
33	100	1.85	3.7	0.03	0.15	8	2	1.50	3-161-462
24	100	2	4	0.02	0.12	8	4.5	1.50	3-161-463
33	100	2	4	0.02	0.125	8	4.5	1.50	3-161-464
24	100	2.6	5.2	0.014	0.075	8	18	1.50	3-161-465
24	40	3	6	0.01	0.055	8	20	1.50	3-161-466
12	40	4	8	0.007	0.035	20	5	1.50	3-161-467
16	100	5	10	0.005	0.022	25	5	2.00	3-161-468

V max: Maximum voltage device can withstand without damage at rated current.
I max: Maximum fault current device can withstand without damage at rated voltage.
I hold: Holding Current: maximum current at which the device will not trip in 25 °C still air.
I trip: Tripping Current minimum current at which the device will trip in 25 °C still air.
R initial min: Minimum resistance of device prior to trip at 25 °C.
R initial max: Maximum resistance of device prior to trip at 25 °C.
R 1hour max :Maximum resistance of device measured one hour after tripping at 25 °C.
T trip: Maximum time to trip(s) at assigned current.
Pd typ: Rated working power.
Noted: Electrical function testing is performed only after PCB assembly.

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

Packaging Unit Tape & Reel

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