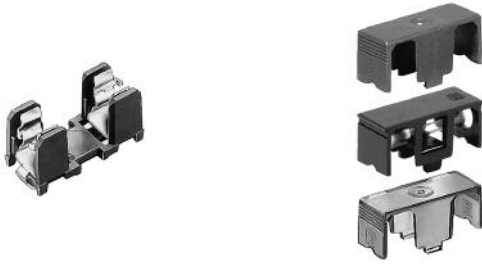


OGN-SMD



OGN-SMD

PCB · 5 x 20 mm

**Beschreibung**

- low profile fuse block with insulation walls
- Optional covers, see accessories

Standards

- IEC 60127-6
- UL 512
- CSA C22.2 no. 39

Approvals

- VDE License Number: 40001042
- UL File Number: E39328


References

- [General Product Information](#)
- [Packaging Details](#)
- [Accessories](#)

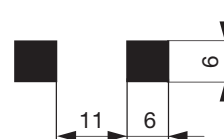
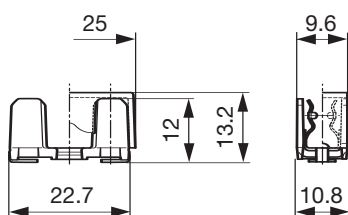
Weblinks

- Approvals: <http://www.schurter.com/approvals>
- RoHS: <http://www.schurter.com/rohs>

Technical Data

Fuse-Link	5 x 20 mm
Mounting	PCB
Terminals	Solder SMT
Rated Voltage	250 VAC
Rated Current	10 A (VDE) , 10 A (UL/CSA)
Rated Power Acceptance	4 W / 10 A @ Ta 23 °C 2.5 W / 10 A with transparent cover, see derating curves
Degree of Protection	IP 00 / IP 20
Protection Class	Suitable for appliances with protection class I or II acc. to IEC 61140
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Socket	Thermoplastic, Black, UL 94V-0
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight (Socket/Cap)	1.7 g
Stock Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	 Type, Voltage Rating, Power Acc./Current Ratings, Approvals

Soldering Methods	Reflow
Solderability	245 °C / 3 sec acc. to IEC 60068-2-20, Test Td
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Td
Contact Resistance	< 5 mΩ at 20 mV
Dielectric Strength	> 3 kV between L-N (50 Hz; 1 min)
Impulse Withstand Voltage	> 4 kV between L-N
Insulation Resistance	> 10 MΩ between L-N (500 VDC; 1 min)
Overvoltage Category	I - III acc. to IEC 60664-1
Pollution Degree	1 - 3 acc. to IEC 60664-1
Resistance to Vibration	acc. to IEC 60068-2-6, test Fc

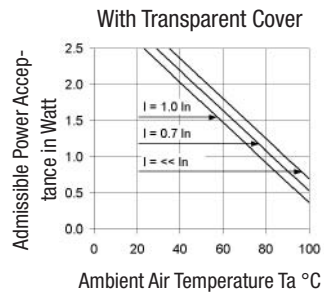
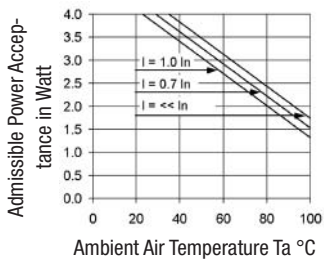
DimensionsLength  22.7 mm

Variant 0031.8221, 0031.8222 and 0031.8225

Solder pads

OGN-SMD

Derating Curves



Variants

Order Number	Type	Holder	Terminals	Pin distance	Packaging
0031.8221	OGN-SMD	●	SMT		Bulk (100 pcs.)
0031.8222	OGN-SMD	●	SMT		Blister Tray 266 x 173 mm (500 pcs.)
0031.8225	OGN-SMD	●	SMT		Blister Tape 38 cm Reel (400 pcs.)

Packaging Unit see variants

OGN-SMD

Order Numbers for preassembled articles, packaging blister tape 400 pieces.

Rated current I _n	with cover	without cover	with cover	without cover	with cover	without cover
	0853.0571 with Fuses FTT	with Fuses FTT	0853.0571 with Fuses FST	with Fuses FST	0853.0571 with Fuses FSF	with Fuses FSF
50 mA			0031.8304	0031.8354		
63 mA	0031.8501	0031.8551	0031.8305	0031.8355		
80 mA	0031.8502	0031.8552	0031.8306	0031.8356		
100 mA	0031.8503	0031.8553	0031.8307	0031.8357		
125 mA	0031.8504	0031.8554	0031.8308	0031.8358		
160 mA	0031.8505	0031.8555	0031.8309	0031.8359		
200 mA	0031.8506	0031.8556	0031.8310	0031.8360		
250 mA	0031.8507	0031.8557	0031.8311	0031.8361		
315 mA	0031.8508	0031.8558	0031.8312	0031.8362		
400 mA	0031.8509	0031.8559	0031.8313	0031.8363		
500 mA	0031.8510	0031.8560	0031.8314	0031.8364	0031.8413	0031.8463
630 mA	0031.8511	0031.8561	0031.8315	0031.8365	0031.8414	0031.8464
800 mA	0031.8512	0031.8562	0031.8316	0031.8366	0031.8415	0031.8465
1 A	0031.8513	0031.8563	0031.8317	0031.8367	0031.8416	0031.8466
1,25 A	0031.8514	0031.8564	0031.8318	0031.8368	0031.8417	0031.8467
1,6 A	0031.8515	0031.8565	0031.8319	0031.8369	0031.8418	0031.8468
2 A	0031.8516	0031.8566	0031.8320	0031.8370	0031.8419	0031.8469
2,5 A	0031.8517	0031.8567	0031.8321	0031.8371	0031.8420	0031.8470
3,15 A	0031.8518	0031.8568	0031.8322	0031.8372	0031.8421	0031.8471
4 A	0031.8519	0031.8569	0031.8323	0031.8373	0031.8422	0031.8472
5 A			0031.8324	0031.8374	0031.8423	0031.8473
6,3 A			0031.8325	0031.8375	0031.8424	0031.8474
8 A			0031.8326	0031.8376	0031.8425	0031.8475
10 A			0031.8327	0031.8377	0031.8426	0031.8476