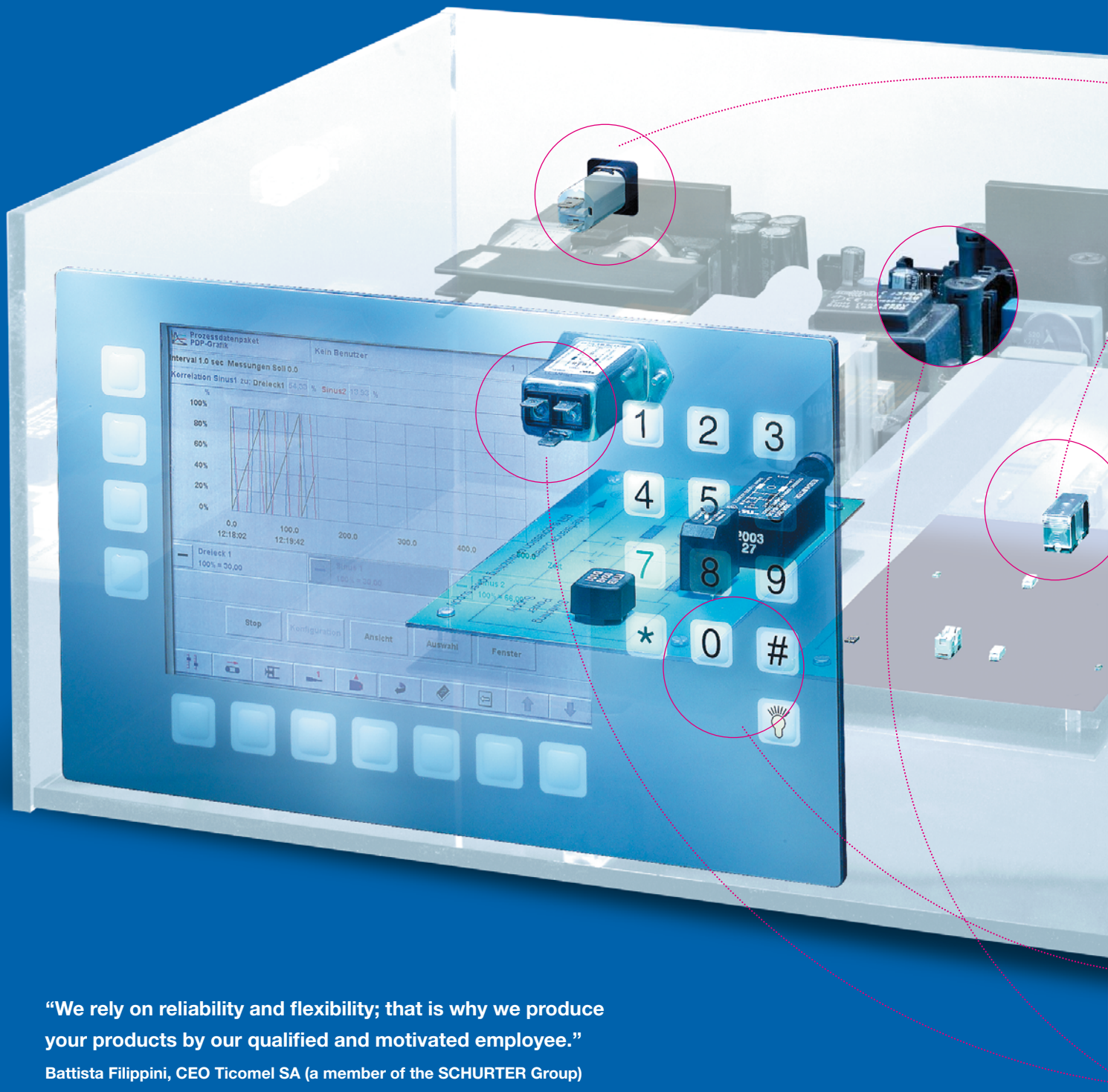
Product Group Catalog
Fuses

www.schurter.com/fuses

SCHURTER
ELECTRONIC COMPONENTS

Fuseholders Blocks & Clips

summary

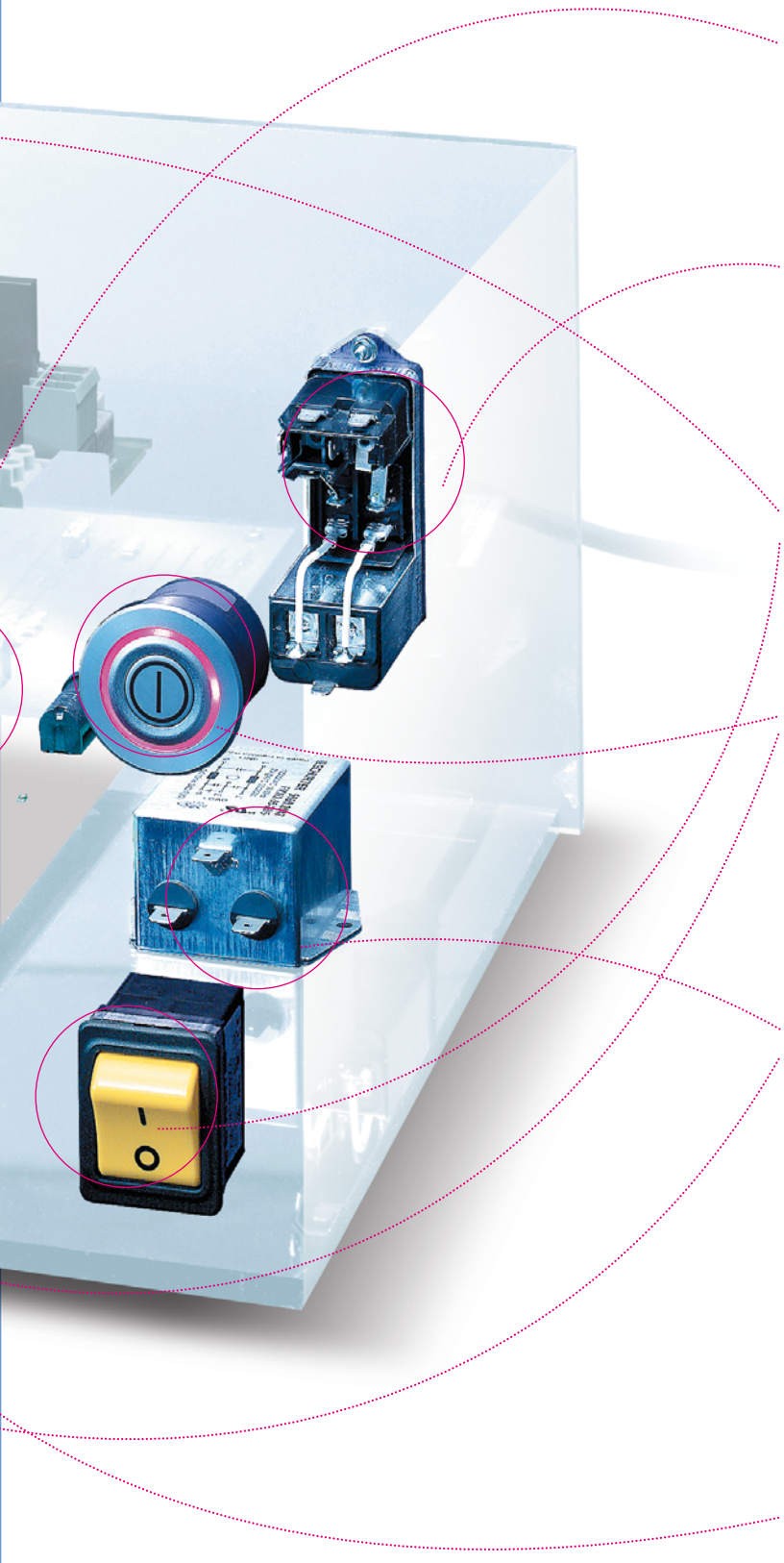


“We rely on reliability and flexibility; that is why we produce your products by our qualified and motivated employee.”

Battista Filippini, CEO Ticomel SA (a member of the SCHURTER Group)

> the Schurter Range at the Glance

SCHURTER is a progressive innovator and manufacturer of fuses, connectors, circuit breakers, input systems, EMC products and manufacturing services for the electronics industry. We focus on components that ensure safe supply of power and make the interface between human and machine easier.



fuses
non resettable fuses
telecom fuses
resettable fuses
fuseholders
fuseholders blocks & clips

connectors
power entry modules without line filter
power entry modules with line filter
appliance couplers
cord connectors (rewireable)
distribution units
cord sets

circuit breakers
thermal (t- and ta-line)
thermal-magnetic (tm- and as-line)
undervoltage protection
power entry modules with CBE

input systems
printmount switches
frontpanel switches
public transport switch
metal line switches
sensor switches
membrane keypads
sensor keypad
metal line keypads
touch panel / touch screen
housing systems and front panels

EMC products
power entry modules with line filter
1-phase line filters
3-phase line filters
chokes
pulse transformers
power stage driver modules

other products
voltage selector
test jacks & probes
indicators
data & signal, audio, dc/ din connectors

EMS
Electronic Manufacturing Services

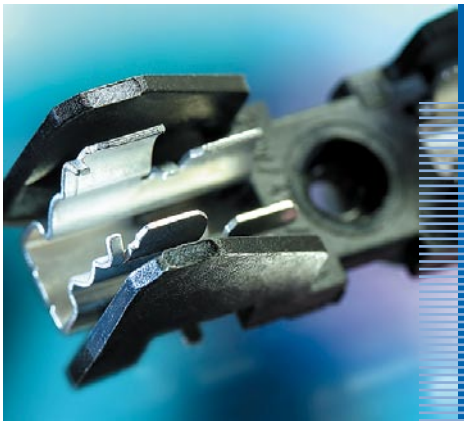
	Description Approvals	Mounting Style Mounting Side IP-Protection Class	Fuse-Link	Rated Current Rated Voltage IEC/ UL	Power Acceptance	Web Reference or Type
	FUSE-LINK 5 X 20 MM					
	Fuseholder Open Design, 5 x 20 mm, THT, var. Covers, IEC 60335-1	- PCB	5 x 20 mm	- 10A / 10A - 250 VAC	4W / 10A	**OGN 10**
	Fuseholder Open Design, 5 x 20 mm, SMD, var. Covers, IEC 60335-1	- PCB	5 x 20 mm	- 10A / 10A - 250 VAC	4W / 10A	**OGN-SMD 12**
	Fuseholder Open Design, 5 x 20 mm, THT, Cover	- PCB	5 x 20 mm	- 10A - 250 VAC	2.5W / 10A	**OG (Holder) 5x20 15**
	Fuseholder Open Design, 5 x 20 mm, Solder, Cover	- Screw	5 x 20 mm	- 10A - 250 VAC	3.2W / 10A	**UH 17**
	Fuseholder Open Design, 5 x 20 mm, Solder, transparent, Cover	- Screw	5 x 20 mm	- 6.3A - 250 VAC	3.2W / 4A	**UHB 19**
	FUSE-LINK 6.3 X 32 MM					
	Fuseholder Open Design, 6.3 x 32 mm, THT	- PCB	6.3 x 32 mm	- 16A - 250 VAC	2.5W / 10A	**OG (Holder) 6.3x32 21**
	Fuseholder Open Design, 6.3 x 32 mm, Solder	- Screw	6.3 x 32 mm	- 16A - 250 VAC	3.2W / 10A	**RSH 23**
	Fuseholder Open Design, 6.3 x 32 mm, Screw Clamp, grey	- Screw	6.3 x 32 mm	- 16A - 250 VAC	3.5W / 16A	**23748B 25**

	Description Approvals	Mounting Style Mounting Side IP-Protection Class	Fuse-Link	Rated Current Rated Voltage IEC/ UL	Power Acceptance	Web Reference or Type
	Fuseholder Open Design, 6.3 x 32 mm, Screw Clamp	- Screw	6.3 x 32 mm	- 16 A - 250 VAC	3.5 W / 16 A	23211B 26
	FUSE-LINK 5 X 20 OR 6.3 X 32 MM					
	Fuseholder Open Design, 5 x 20 / 6.3 x 32 mm, THT, IEC: 500 VAC, UL/CSA: 250 VAC, Cover, IEC 60335-1	- PCB	5 x 20 or 6.3 x 32 mm	- 10 A / 16 A - 500 VAC / 250 VAC	4 W / 10 A	OGD 27
	Fuseholder Open Design, 5 x 20 / 6.3 x 32 mm, SMD, IEC: 500 VAC, UL/CSA: 250 VAC, Cover, IEC 60355-1	- PCB	5 x 20 or 6.3 x 32 mm	- 10 A / 16 A - 500 VAC / 250 VAC	4 W / 10 A	OGD-SMD 29
	FUSE-LINK 10.3 X 38 MM					
	Fuseholder Open Design, 10.3 x 38 mm, Screw Clamp	- Screw	10.3 x 38 mm	- 30 A - 500 VAC	3.6 W / 30 A	23351B 31
	FUSE-LINK 14.3 X 51 MM					
	Fuseholder Open Design, 14.3 x 51 mm, Screw Clamp	- Screw	14.3 x 51 mm	- 40 A - 500 VAC	4 W / 40 A	23162 32
	Fuseholder Open Design, 14.3 x 51 mm, Screw Clamp, red	- Screw	14.3 x 51 mm	- 50 A - 380 VAC/DC	5 W / 50 A	231756R 33
	FUSE-LINK 5 X 20 MM					
	Clip, 5 x 20 mm, UR, Cover	- PCB	5 x 20 mm	- 6.3 A - 250 VAC	-	OG (Clip) 5x20 34

	Description Approvals	Mounting Style Mounting Side IP-Protection Class	Fuse-Link	Rated Current Rated Voltage IEC/ UL	Power Acceptance	Web Reference or Type
	Clip, 5 x 20 mm, Version 1	- PCB	5 x 20 mm	- 6.3 A - 250 VAC	-	CQM 36
	Clip, 5 x 20 mm, Version 2	- PCB	5 x 20 mm	- 6.3 A - 250 VAC	-	231828 37
	Clip, 5 x 20 mm, Version 3	- PCB	5 x 20 mm	- 6.3 A - 250 VAC	-	231683 38
	FUSE-LINK 6.3 X 32 MM					
	Clip, 6.3 x 32 mm	- PCB	6.3 x 32 mm	- 10 A - 250 VAC	-	231685 39
	FUSE-LINK 5 X 20 OR 6.3 X 32 MM					
	Clip, 5 x 20 / 6.3 x 32 mm, UR	- PCB	5 x 20 or 6.3 x 32 mm	- 16 A - 500 VAC	2.5 W / 10 A	OG (Clip) 5x20 / 6.3x32 40
	FUSE-LINK 10.3 X 38 MM					
	Clip, 5 x 20 mm, 10.3 x 38 mm, UR	- PCB	10.3 x 38 mm	20 A	-	231660 42
	FUSE-LINK 2 X 7 MM					
	Fuseholder Open Design, Holder for MSB and 172876, SMD	- PCB	2 x 7 mm	125 VAC/DC	0.9 W	231787 43

	Description Approvals	Mounting Style Mounting Side IP-Protection Class	Fuse-Link	Rated Current Rated Voltage IEC/ UL	Power Acceptance	Web Reference or Type
	Fuseholder Open Design, Holder for MSB and 172876, THT	- PCB	2 x 7 mm	125 VAC/DC	0.9 W	231786 44
	FUSE-LINK OMX 63/125 FUSE					
	Fuseholder Open Design, Holder for OMF 63, OMF 125 and OMT 125, SMD	- PCB	OMx 63/125 Fuse	- 5 A - 125 VAC	-	OMH 125 45
	FUSE-LINK MICROFUSE 125 V					
	Fuseholder Open Design, Holder for MSF 125, vertical, THT	- PCB	Microfuse 125 V	- 5 A - 125 VAC	-	FMS (125V) 46
	Fuseholder Open Design, Holder for MSF 125, horizontal, THT	- PCB	Microfuse 125 V	- 5 A - 125 VAC	-	FMR 47
	FUSE-LINK MICROFUSE 250 V					
	Fuseholder Open Design, Holder for MSx 250, THT	- PCB	Microfuse 250 V	- 6.3 A - 250 VAC	-	FMS (250V) 48

For customer specific solutions, please contact us. www.schurter.com/contact
General Product Information see Fuseholders page 64



OGD: Fuse Blocks with Dual Clip

The fuse block holds dual fuse clips and accepts either 5x20 mm or 6.3x32 mm fuse-links. This allows customers to cover two fuse standard sizes with one single product.

Fuseholder Open Design, 5 x 20 mm, THT, var. Covers, IEC 60335-1

250 VAC · 4 W / 10 A (VDE) · 10 A (UL/CSA)

Description
- Meets the new requirements of IEC 60335-1 Ed. 4.0 for appliances in unattended use (clause 30.2.3). This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 to -13. Order number: 0031.82x1.15
- Low profile fuse block with insulation walls
- Screw or rivet fastening

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

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

Applications
- Industrial electronic
- Household appliances

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

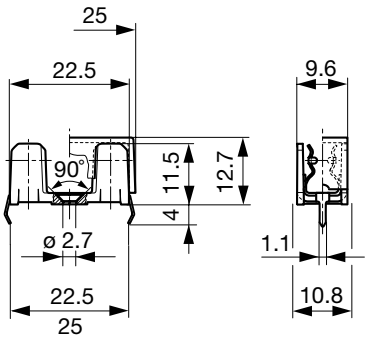
Technical Data

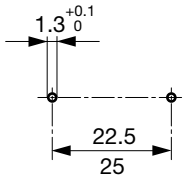
Fuse-Link	5 x 20 mm
Mounting	PCB
Fastening	Screw or Rivet
Terminal	Solder THT
Rated Voltage	250 VAC
Rated Current	10 A (VDE), 10 A (UL/CSA)
Rated Power Acceptance IEC	4 W / 10 A @ Ta 23 °C 2.5 W / 10 A with transparant cover, see derating curves
Degree of Protection	IP 00 / IP 20
Protection Class	Suitable 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	see variants
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight (Socket/Cap)	1.7 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	S, Type, Voltage Rating, Power Acc./ Current Rating, Approvals

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A
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

Dimensions

Length 22.5 mm

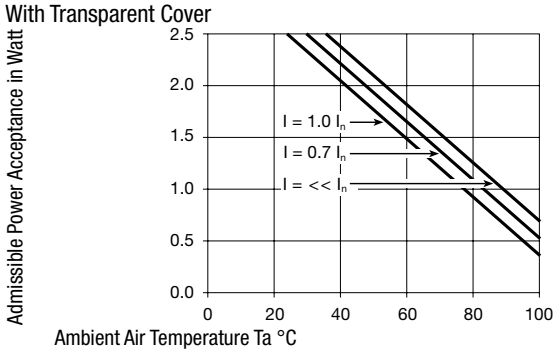


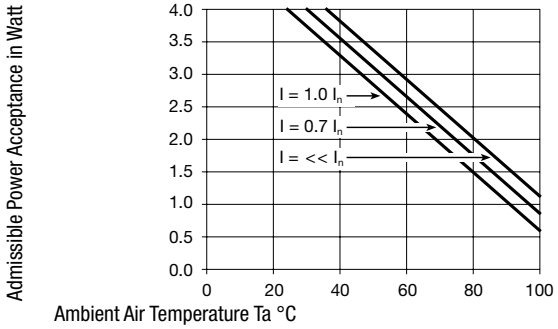


Drilling Diagram

Derating Curves for Fuseholders

With Transparent Cover





Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Pin distance	Colour Holder	Material	Remark	Order Number
●	22.5	black	Thermoplastic	-	0031.8201
●	25	black	Thermoplastic	-	0031.8211
	-	-	-	-	0853.0551
	-	-	-	-	0853.0571
	-	-	-	-	0853.0576

Spec. thermoplastic 1 and 2 meet the new requirements of IEC 60335-1 Ed. 4.0 for appliances in unattended use (clause 30.2.3). This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 to -13.

Packaging Unit

Bulk 128 x 91 x 60 mm (100 pcs.)

Accessory

Description

Covers OGN, OGN-SMD
Cover for Holder OGN, OGN-SMD

Fuseholder Open Design, 5 x 20 mm, SMD, var. Covers, IEC 60335-1



250 VAC · 4 W / 10 A (VDE) · 10 A (UL/CSA)

Description
- Meets the new requirements of IEC 60335-1 Ed. 4.0 for appliances in unattended use (clause 30.2.3). This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 to -13. Order number: 0031.8263-5 / 0031.8273-5
- Low profile fuse block with insulation walls

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

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

Applications
- Industrial electronic
- Household appliances

References
General Product Information
Packaging Details

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

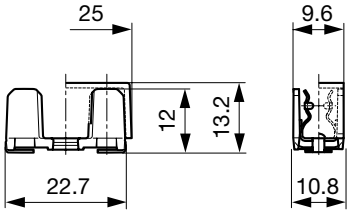
Technical Data

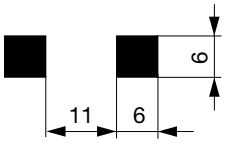
Fuse-Link	5 x 20 mm
Mounting	PCB
Terminal	Solder SMT
Rated Voltage	250 VAC
Rated Current	10 A (VDE), 10 A (UL/CSA)
Rated Power Acceptance IEC	4 W / 10 A @ Ta 23 °C 2.5 W / 10 A with transparant cover, see derating curves
Degree of Protection	IP 00 / IP 20
Protection Class	Suitable for appliances with 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	see variants
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight (Socket/Cap)	1.7 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	SCHURTER, Type, Voltage Rating, Power Acc./ Current Rating, Approvals

Soldering Methods	Reflow (see variants)
Solderability	245 °C / 3 sec acc. to IEC 60068-2-58, Test Td
Resistance to Soldering Heat	240 - 260 °C / 20 - 40 sec acc. to IPC/JEDEC J-STD-020D
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

Dimensions

Length 22.7 mm

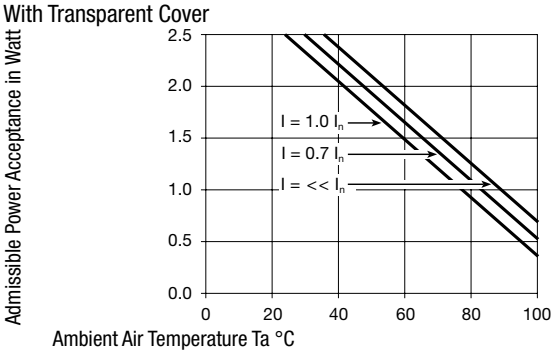


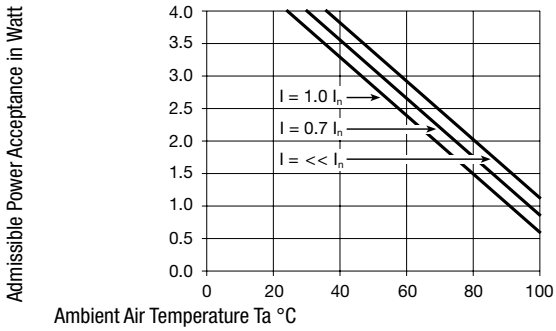


Solder pads

Derating Curves for Fuseholders

With Transparent Cover





Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Material	Material: Terminals	Reflow Condition	Packaging	Order Number
●	Thermoplastic	Tin-Plated Copper Alloy	(acc. to JEDEC J-STD-020C), Tp=240 +0/-5 °C, tp = 20-40 s	Bulk 128 x 91 x 60 mm(100 pcs.)	0031.8221
●	Thermoplastic	Tin-Plated Copper Alloy	(acc. to JEDEC J-STD-020C), Tp=240 +0/-5 °C, tp = 20-40 s	Blister Tape 38 cm Reel(400 pcs.)	0031.8225
●	Thermoplastic	Tin-Plated Copper Alloy	(acc. to JEDEC J-STD-020C), Tp=240 +0/-5 °C, tp = 20-40 s	Blister Tray 266 x 173 mm(500 pcs.)	0031.8222
	-	-	-	Plastic Bag(100 pcs.)	0853.0551
	-	-	-	Plastic Bag(100 pcs.)	0853.0571
	-	-	-	Plastic Bag(100 pcs.)	0853.0576

Spec. thermoplastic 1 and 2 meet the new requirements of IEC 60335-1 Ed. 4.0 for appliances in unattended use (clause 30.2.3). This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 to -13.

0031.8273, 0031.8274 and 0031.8275 with gold-plated clips are more heat resistant than 0031.8263, 0031.8264 and 0031.8265 with tin-plated clips.

If reflow soldering problems with standard thermoplastic occur, it is recommended testing spec. thermoplastic 2 versions with tin-plated and gold-plated clips. If tin-plated version meets the requirement then this would be the right choice because of price.

Packaging Unit

see variants

Accessory

Description

Covers OGN, OGN-SMD
Cover for Holder OGN, OGN-SMD

Order Numbers for Pre-Assembled OGN-SMD, Blister Tape Packaging with 400 pieces per reel

Rated current I_n	FTT 5x20 Fuse With Reflow-Cover 0853.0571	FTT 5x20 Fuse No Cover	FST 5x20 Fuse With Reflow-Cover 0853.0571	FST 5x20 Fuse No Cover	FSF 5x20 Fuse With Reflow-Cover 0853.0571	FSF 5x20 Fuse No Cover
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

OG (Holder) 5x20

Fuseholder Open Design, 5 x 20 mm, THT, Cover

250 VAC · 2.5 W / 10 A · 10 A (UL/CSA)

Description
- Optional covers, see accessories

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

Approvals
- UL File Number: E39328

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

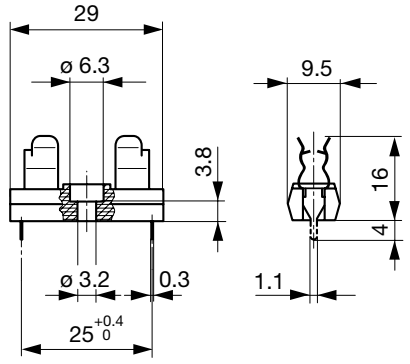
Technical Data

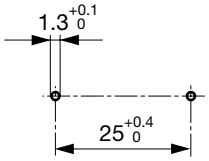
Fuse-Link	5 x 20 mm
Mounting	PCB
Fastening	Screw or Rivet
Terminal	Solder THT
Rated Voltage	250 VAC
Rated Current	10 A (UL/CSA)
Rated Power Acceptance IEC	2.5 W / 10 A @ Ta 23 °C 2 W / 10 A with cover, see derating curves
Degree of Protection	IP 00
Protection Class	Suitable for appliances with protection 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	Thermoset, black, UL 94V-0
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight (Socket/Cap)	2.9 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Voltage Rating, Current Rating, Approvals

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A
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

Dimensions

Length 29 mm

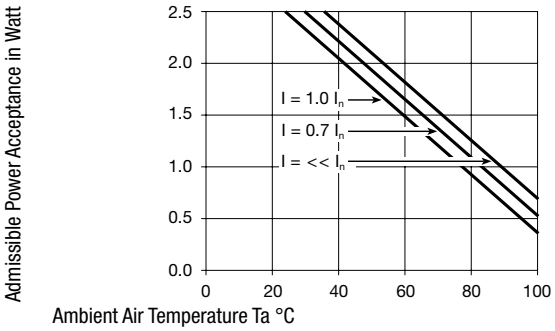




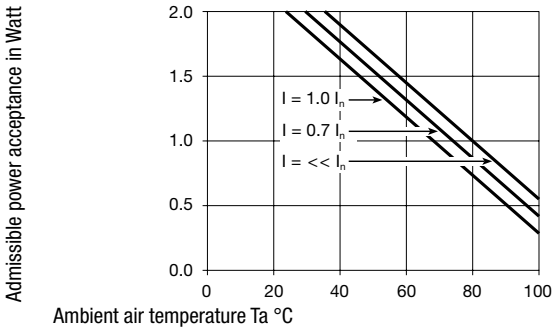
Drilling Diagram

Derating Curves for Fuseholders

without Cover



with cover



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Order Number
●	0031.8001
	0853.9561
	0853.9562

Packaging Unit Bulk (100 pcs.)

Accessory

	Description
	Cover to OG, UHB, UH Cover for Holder OG (Clip) 5x20, OG (Halter) 5x20, UH, UHB

Fuseholder Open Design, 5 x 20 mm, Solder, Cover

250 VAC · 3.2 W / 10 A · 10 A (UL/CSA)

Description
- Optional covers, see accessories

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

Approvals
- UL File Number: E39328

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

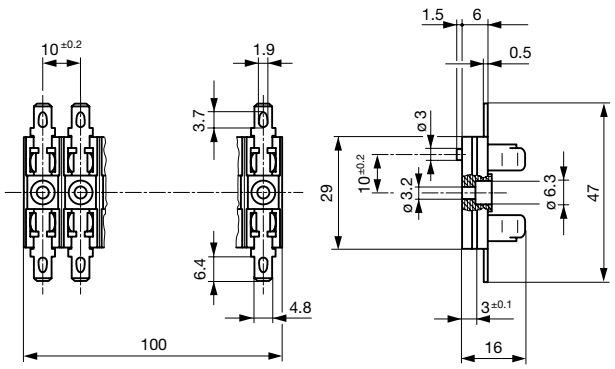
Technical Data

Fuse-Link	5 x 20 mm
Mounting	Screw
Fastening	Screw or Rivet
Terminal	Solder
Rated Voltage	250 VAC
Rated Current	10 A (UL/CSA)
Rated Power Acceptance IEC	3.2 W / 10 A @ Ta 23 °C 2.5 W / 10 A with cover, see derating curves
Degree of Protection	IP 00
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	Thermoset, black, UL 94V-0
Material: Terminals	Nickel-Silver
Unit Weight (Socket/Cap)	3.62 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Voltage Rating, Current Rating, Approvals

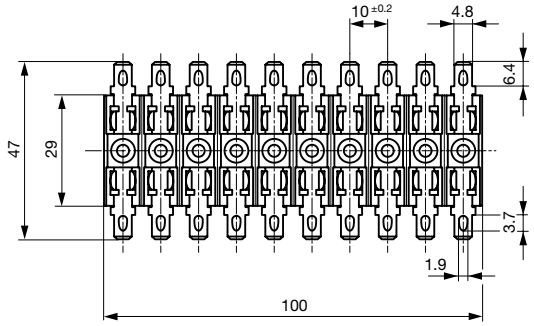
Soldering Methods	Wave
Solderability	350 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 2
Resistance to Soldering Heat	350 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 2
Contact Resistance	< 5 mΩ at 20 mV
Dielectric Strength	> 3 kV between L-N (50 Hz; 1 min)
Impulse Withstand Voltage	> 4 kV 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

Dimensions

Length 47 mm



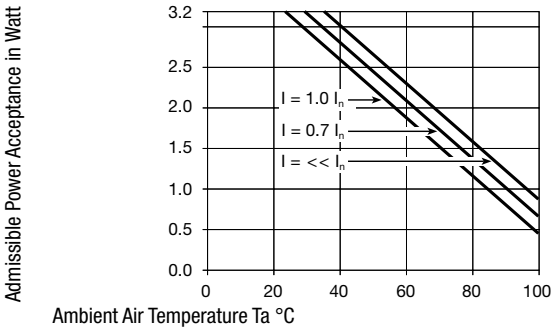
Variant 0031.5001



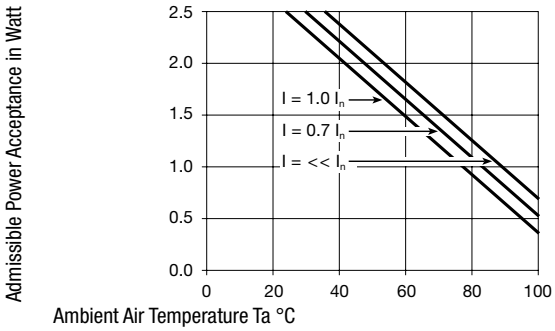
Variant 0031.5010

Derating Curves for Fuseholders

without Cover



with Cover



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Strip	Order Number
●		0031.5001
	●	0031.5010
		0853.9561
		0853.9562

Packaging Unit

Bulk (100 pcs.)

Accessory

	Description
	Cover to OG, UHB, UH Cover for Holder OG (Clip) 5x20, OG (Halter) 5x20, UH, UHB

Fuseholder Open Design, 5 x 20 mm, Solder, transparent, Cover

250 VAC · 3.2 W / 4 A · 6.3 A (UL/CSA)

Description
- Screw or rivet fastening
- Solder terminals

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

Approvals
- UL File Number: E39328

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

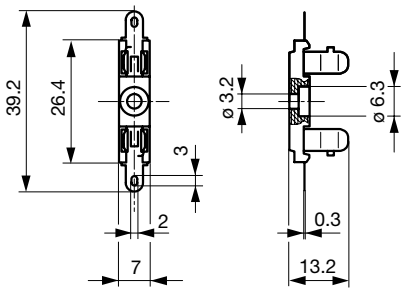
Technical Data

Fuse-Link	5 x 20 mm
Mounting	Screw
Fastening	Screw or Rivet
Terminal	Solder
Rated Voltage	250 VAC
Rated Current	6.3 A (UL/CSA)
Rated Power Acceptance IEC	3.2 W / 4 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves
Degree of Protection	IP 00
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, Nature, UL 94V-1
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight (Socket/Cap)	1.5 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	SCHURTER, Voltage Rating, Current Rating, Approvals

Soldering Methods	Wave
Solderability	350 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 2
Resistance to Soldering Heat	350 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 2
Contact Resistance	< 10 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

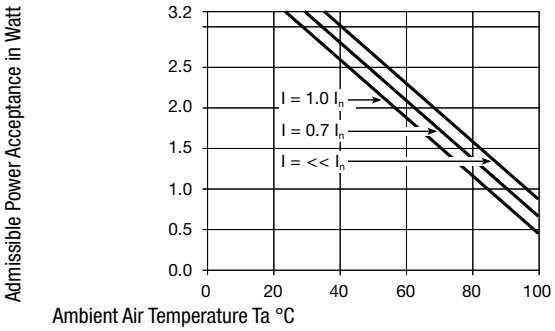
Dimensions

Length 39.2 mm

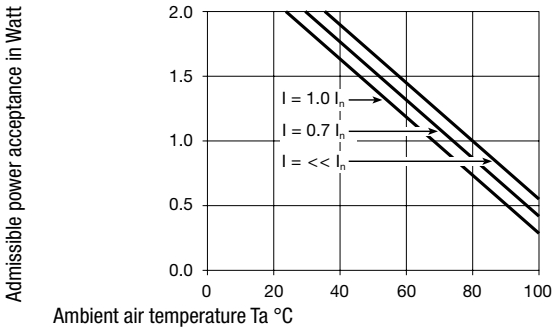


Derating Curves for Fuseholders

without Cover



with cover



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Order Number
●	0031.5101
	0853.9561
	0853.9562

Packaging Unit Bulk (100 pcs.)

Accessory

	Description
	Cover to OG, UHB, UH Cover for Holder OG (Clip) 5x20, OG (Halter) 5x20, UH, UHB

SCHURTER ELECTRONIC COMPONENTS

OG (Holder) 6.3x32

www.schurter.com/pg02b

Fuseholder Open Design, 6.3 x 32 mm, THT

250 VAC · 2.5 W / 10 A · 16 A (UL)

Description
- Through hole mounting

Approvals
- UL File Number: E39328

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

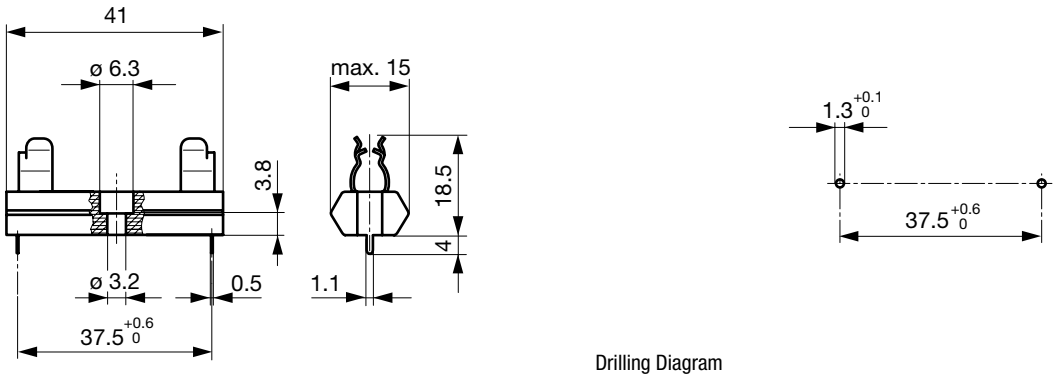
Technical Data

Fuse-Link	6.3 x 32 mm
Mounting	PCB
Fastening	Screw or Rivet
Terminal	Solder THT
Rated Voltage	250 VAC
Rated Current	16 A (UL)
Rated Power Acceptance IEC	2.5 W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves
Degree of Protection	IP 00
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: Terminals	Tin-Plated Copper Alloy
Unit Weight (Socket/Cap)	7.23 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Voltage Rating, Current Rating, Approvals

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A
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

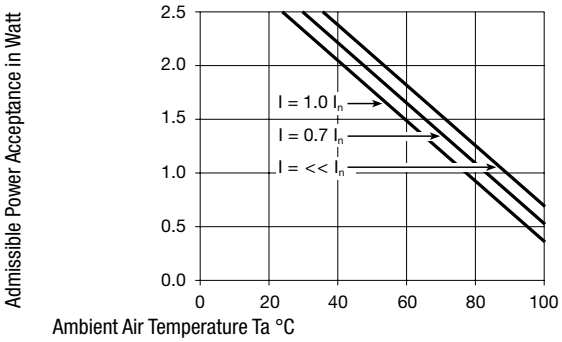
Dimensions

Length 41 mm



Drilling Diagram

Derating Curves for Fuseholders



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Order Number
●	0031.8002
	0853.9561
	0853.9562

Packaging Unit Bulk (100 pcs.)

SCHURTER ELECTRONIC COMPONENTS

Fuseholder Open Design, 6.3 x 32 mm, Solder

250 VAC · 3.2 W / 10 A · 16 A (UL)

Description
- Screw or rivet fastening

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

Approvals
- UL File Number: E39328

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

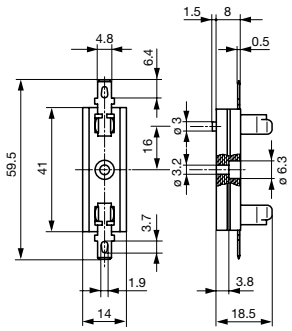
Technical Data

Fuse-Link	6.3 x 32 mm
Mounting	Screw
Fastening	Screw or Rivet
Terminal	Solder
Rated Voltage	250 VAC
Rated Current	16 A (UL)
Rated Power Acceptance IEC	3.2 W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves
Degree of Protection	IP 00
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	Thermoset, black, UL 94V-0
Material: Terminals	Nickel-Silver
Unit Weight (Socket/Cap)	7.27 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	⊟, Voltage Rating, Current Rating, Approvals

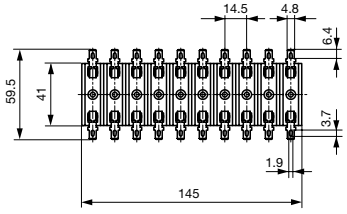
Soldering Methods	Wave
Solderability	350 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 2
Resistance to Soldering Heat	350 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 2
Contact Resistance	< 5 mΩ at 20 mV
Dielectric Strength	> 3 kV between L-N (50 Hz; 1 min)
Impulse Withstand Voltage	> 4 kV 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

Dimensions

Length 59.5 mm

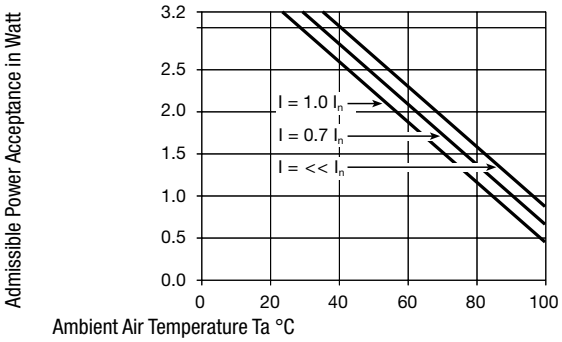


Variant 0031.6001



Variant 0031.6010

Derating Curves for Fuseholders



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Strip	Order Number
●		0031.6001
	●	0031.6010

Packaging Unit Bulk (100 pcs.)

Fuseholder Open Design, 6.3 x 32 mm, Screw Clamp, grey

250 VAC · 3.5 W / 16 A

GAM T1 NNO

Description
- Screw or rivet fastening

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

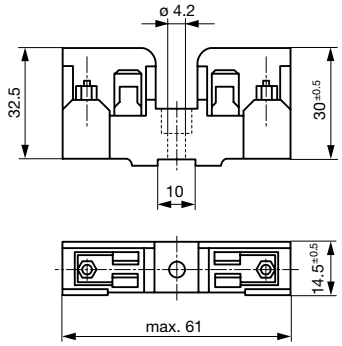
Technical Data

Fuse-Link	6.3 x 32 mm
Mounting	Screw
Fastening	Screw or Rivet
Terminal	Screw Clamp
Rated Voltage	250 VAC
Rated Current	16 A
Rated Power Acceptance IEC	3.5 W / 16 A @ Ta 23 °C
Degree of Protection	IP 00
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	40/085/56 acc. to IEC 60068-1
Material: Socket	Thermoset, Light-Grey
Unit Weight (Socket/Cap)	40 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Voltage Rating, Current Rating, HB5

Soldering Methods	Wave
Resistance to Vibration	acc. to NF C 20-706 / IEC 60068-2-6, test Fc
Shocks	acc. to NF C 20-706 / IEC 60068-2-27
Bumps	acc. to NF C 20-729 / IEC 60068-2-29
Salt Mist	acc. to NF C 20-711 / IEC 60068-2-11
Dump Heat	acc. to NF C 20-604
Climatic Composite	acc. to NF C 20-619 Phase D

Dimensions

Length 61 mm



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Colour Holder	Order Number
●	Light-Grey	7083.2110

Packaging Unit
Bulk (100 pcs.)

Fuseholder Open Design, 6.3 x 32 mm, Screw Clamp

250 VAC · 3.5 W / 16 A

GAM T1 NNO

Description
- Screw or rivet fastening

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

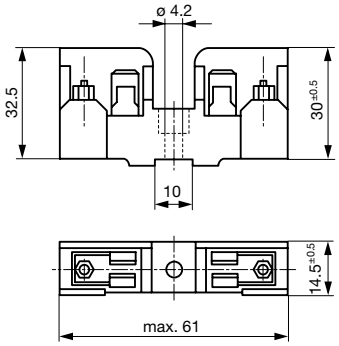
Technical Data

Fuse-Link	6.3 x 32 mm
Mounting	Screw
Fastening	Screw or Rivet
Terminal	Screw Clamp
Rated Voltage	250 VAC
Rated Current	16 A
Rated Power Acceptance IEC	3.5 W / 16 A @ Ta 23 °C
Degree of Protection	IP 00
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	40/085/56 acc. to IEC 60068-1
Material: Socket	Thermoset, black
Unit Weight (Socket/Cap)	40 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Voltage Rating, Current Rating, HB5

Soldering Methods	Wave
Resistance to Vibration	acc. to NF C 20-706 / IEC 60068-2-6, test Fc
Shocks	acc. to NF C 20-706 / IEC 60068-2-27
Bumps	acc. to NF C 20-729 / IEC 60068-2-29
Salt Mist	acc. to NF C 20-711 / IEC 60068-2-11
Dump Heat	acc. to NF C 20-604
Climatic Composite	acc. to NF C 20-619 Phase D

Dimensions

Length 61 mm



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Colour Holder	Order Number
●	black	7083.1110

Packaging Unit
Bulk (100 pcs.)

Fuseholder Open Design, 5 x 20 / 6.3 x 32 mm, THT, IEC: 500 VAC, UL/CSA: 250 VAC, Cover, IEC 60335-1

500 VAC · 4 W / 10 A (VDE) · 250 VAC · 16 A (UL/

Description
- Fuseholder for 500 VAC applications
- Meets the new requirements of IEC 60335-1 Ed. 4.0 for appliances in unattended use (clause 30.2.3). This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 to -13. Order number: 0031.8231.15
- Fuse block accepts 5x20 or 6.3x32 fuse-links

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

Approvals
- VDE License Number: 40008993 (250V) + 40018378 (500V)
- UL File Number: E39328

Applications
- Equipment with three-phase supply (400 VAC)
- Industrial electronic

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

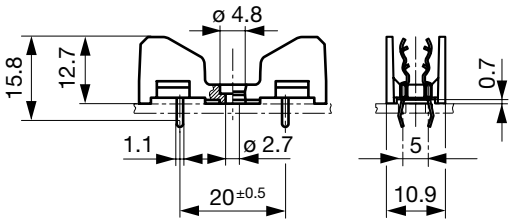
Technical Data

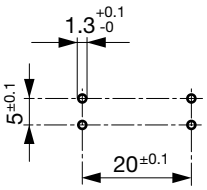
Fuse-Link	5 x 20 or 6.3 x 32 mm
Mounting	PCB
Fastening	Screw or Rivet
Terminal	Solder THT
Rated Voltage	500 VAC (VDE), 250 VAC (UL/CSA)
Rated Current	10 A (VDE), 16 A (UL/CSA)
Rated Power Acceptance IEC	4 W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves
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)	3.7 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	S, Type, Voltage Rating, Power Acc./ Current Rating, Approvals

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A
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	2 acc. to IEC 60664-1
Resistance to Vibration	acc. to IEC 60068-2-6, test Fc

Dimensions

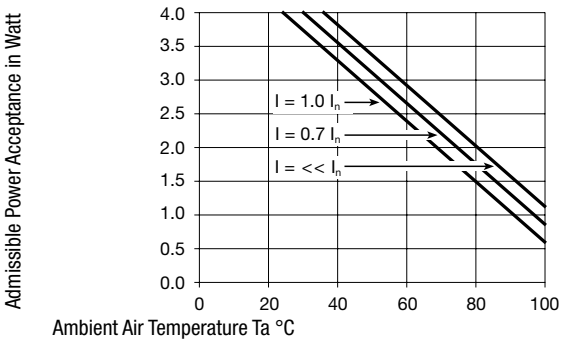
Length 35.4 mm





Drilling holes

Derating Curves for Fuseholders



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Material	Remark	Order Number
●	Thermoplastic	-	0031.8231
	-	-	0853.0917

Spec. thermoplastic 1 and 2 meet the new requirements of IEC 60335-1 Ed. 4.0 for appliances in unattended use (clause 30.2.3). This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 to -13.

Packaging Unit

Bulk 178 x 91 x 71 mm (100 pcs.)

Accessory

	Description
	Cover OGD, OGD-SMD Cover for Holder OGD, OGD-SMD

Fuseholder Open Design, 5 x 20 / 6.3 x 32 mm, SMD, IEC: 500 VAC, UL/CSA: 250 VAC, Cover, IEC 60355-1

500 VAC · 4 W / 10 A (VDE) · 250 VAC · 16 A (UL/

Description
- Fuseholder for 500 VAC applications
- Meets the new requirements of IEC 60335-1 Ed. 4.0 for appliances in unattended use (clause 30.2.3). This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 to -13. Order number: 0031.8242 / 0031.8242.F1
- Fuse block accepts 5x20 or 6.3x32 fuse-links

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

Approvals
- VDE License Number: 40008993 (250V) + 40018378 (500V)
- UL File Number: E39328

Applications
- Equipment with three-phase supply (400 VAC)
- Industrial electronic

References
General Product Information
Packaging Details

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

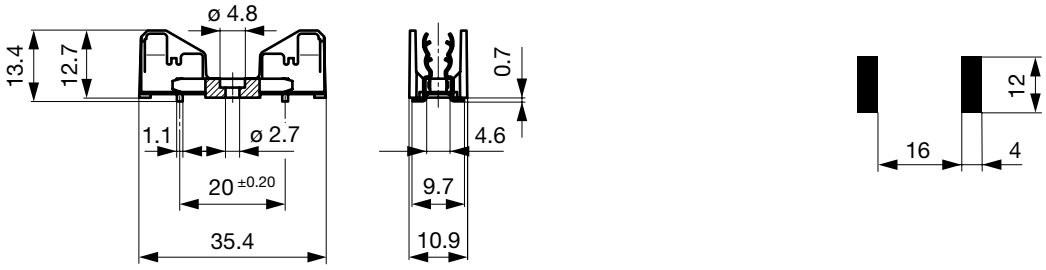
Technical Data

Fuse-Link	5 x 20 or 6.3 x 32 mm
Mounting	PCB
Fastening	Screw or Rivet
Terminal	Solder SMT
Rated Voltage	500 VAC (VDE), 250 VAC (UL/CSA)
Rated Current	10 A (VDE), 16 A (UL/CSA)
Rated Power Acceptance IEC	4 W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature 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)	3.7 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	S, Type, Voltage Rating, Power Acc./ Current Rating, Approvals

Soldering Methods	Reflow (see variants)
Solderability	245 °C / 3 sec acc. to IEC 60068-2-58, Test Td
Resistance to Soldering Heat	240 - 260 °C / 20 - 40 sec acc. to IPC/JEDEC J-STD-020D
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	2 acc. to IEC 60664-1
Resistance to Vibration	acc. to IEC 60068-2-6, test Fc

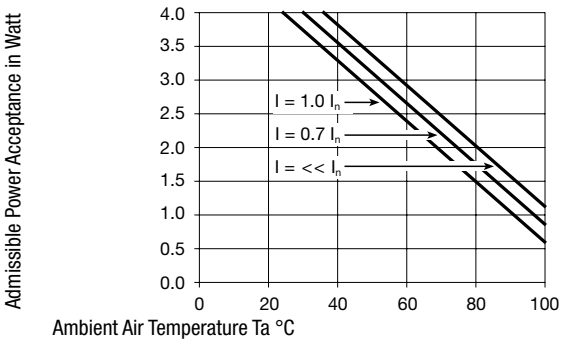
Dimensions

Length 35.4 mm



Solder pads

Derating Curves for Fuseholders



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Material	Reflow Condition	Remark	Order Number
●	Thermoplastic	(acc. to JEDEC J-STD-020C), Tp=240 +0/-5 °C, tp = 20-40 s	-	0031.8241
	-	Reflow	-	0853.0917

Spec. thermoplastic 1 and 2 meet the new requirements of IEC 60335-1 Ed. 4.0 for appliances in unattended use (clause 30.2.3). This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 to -13.

Packaging Unit

Bulk 178 x 91 x 71 mm (100 pcs.)
xxxx.xxxx.F1 Bar Packaging (20x50 pcs.)

Accessory

	Description
	Cover OGD, OGD-SMD Cover for Holder OGD, OGD-SMD

SCHURTER ELECTRONIC COMPONENTS

Fuseholder Open Design, 10.3 x 38 mm, Screw Clamp

500 VAC · 3.6 W / 30 A

NNO

Description
- Screw or rivet fastening

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

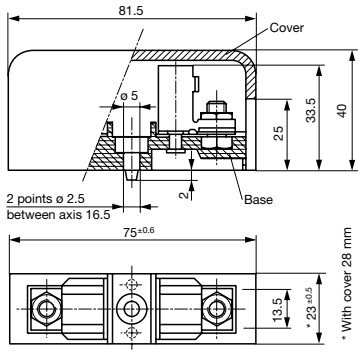
Technical Data

Fuse-Link	10.3 x 38 mm
Mounting	Screw
Fastening	Screw or Rivet
Terminal	Screw Clamp
Rated Voltage	500 VAC
Rated Current	30 A
Rated Power Acceptance IEC	3.6 W / 30 A @ Ta 23 °C
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	40/085/56 acc. to IEC 60068-1
Material: Socket	Thermoset, black
Unit Weight (Socket/Cap)	60 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Voltage Rating, Current Rating, HB7

Soldering Methods	Wave
Resistance to Vibration	acc. to NF C 20-706 / IEC 60068-2-6, test Fc
Shocks	acc. to NF C 20-706 / IEC 60068-2-27
Bumps	acc. to NF C 20-729 / IEC 60068-2-29
Salt Mist	acc. to NF C 20-711 / IEC 60068-2-11

Dimensions

Length 81.5 mm



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Degree of Protection	Reference	Order Number
●	-	23351B	7082.1110
●	IP 20	23372	7170.0480

Packaging Unit

Bulk (100 pcs.)

Fuseholder Open Design, 14.3 x 51 mm, Screw Clamp

500 VAC · 4 W / 40 A

RoHS COMPLIANT 2002/95/EC

GAM T1 NNO

Description
- Screw or rivet fastening
- With lock and safety calibration

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

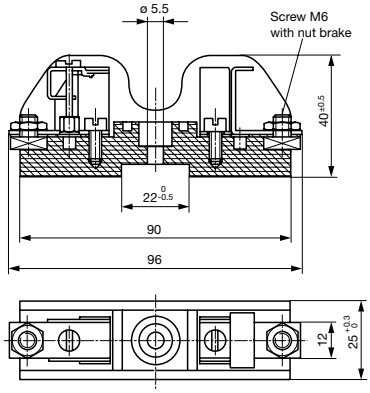
Technical Data

Fuse-Link	14.3 x 51 mm
Mounting	Screw
Fastening	Screw or Rivet
Terminal	Screw Clamp
Rated Voltage	500 VAC
Rated Current	40 A
Rated Power Acceptance IEC	4 W / 40 A @ Ta 23 °C
Degree of Protection	IP 00
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Socket	Thermoset
Unit Weight (Socket/Cap)	94 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Voltage Rating, Current Rating, HB8

Soldering Methods	Wave
Resistance to Vibration	acc. to NF C 20-706 / IEC 60068-2-6, test Fc
Shocks	acc. to NF C 20-706 / IEC 60068-2-27
Bumps	acc. to NF C 20-729 / IEC 60068-2-29
Salt Mist	acc. to NF C 20-711 / IEC 60068-2-11
Dump Heat	acc. to NF C 20-604
Climatic Composite	acc. to NF C 20-619 Phase D

Dimensions

Length 90 mm



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Colour Holder	Order Number
●	black	7085.1910
●	Grey	7085.2910
●	red	7085.3910

Packaging Unit

Bulk (100 pcs.)

SCHURTER ELECTRONIC COMPONENTS

Fuseholder Open Design, 14.3 x 51 mm, Screw Clamp, red

380 VAC/DC · 5 W / 50 A

NNO

Description
- Screw or rivet fastening
- With lock and safety calibration
- Model following a navy specifications

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

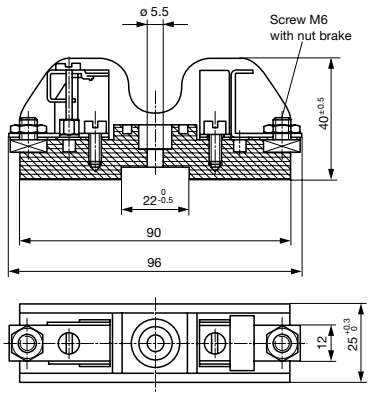
Technical Data

Fuse-Link	14.3 x 51 mm
Mounting	Screw
Fastening	Screw or Rivet
Terminal	Screw Clamp
Rated Voltage	380 VAC/DC
Rated Current	50 A
Rated Power Acceptance IEC	5 W / 50 A @ Ta 23 °C
Degree of Protection	IP 00
Protection Class	Suitable for appliances with protection class I or II acc. to IEC 61140
Admissible Ambient Air Temp.	-5 °C to 70 °C
Climatic Category	5/070/21 acc. to IEC 60068-1
Material: Socket	Thermoset, red
Unit Weight (Socket/Cap)	102 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Voltage Rating, Current Rating

Soldering Methods	Wave
Resistance to Vibration	acc. to NF C 20-706 / IEC 60068-2-6, test Fc
Shocks	acc. to NF C 20-706 / IEC 60068-2-27
Bumps	acc. to NF C 20-729 / IEC 60068-2-29
Salt Mist	acc. to NF C 20-711 / IEC 60068-2-11
Dump Heat	acc. to NF C 20-604
Climatic Composite	acc. to NF C 20-610 Phase 1-2-3-5

Dimensions

Length 96 mm



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Colour Holder	Order Number
●	red	7085.4910

Packaging Unit Bulk (100 pcs.)

OG (Clip) 5x20

Clip, 5 x 20 mm, UR, Cover

Variant 2

250 VAC · 6.3 A (UL)

Description
- Clip-material: bronze or brass
- Optional covers, see accessories

Standards
- UL 512

Approvals
- UL File Number: E39328

References
General Product Information

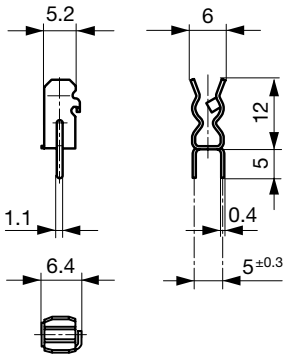
Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

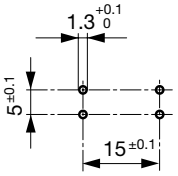
Fuse-Link	5 x 20 mm
Mounting	PCB
Terminal	Solder THT
Rated Voltage	250 VAC
Rated Current	6.3 A (UL)
Degree of Protection	IP 00
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Terminals	see variants
Unit Weight (Socket/Cap)	0.55 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	, Approvals

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A

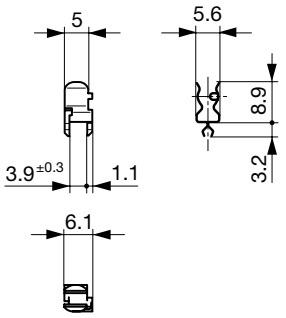
Dimensions



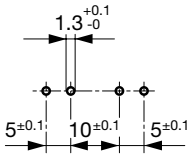
Variants 0751.0052 and 0751.0062



Drilling holes variants 0751.0052 and 0751.0062

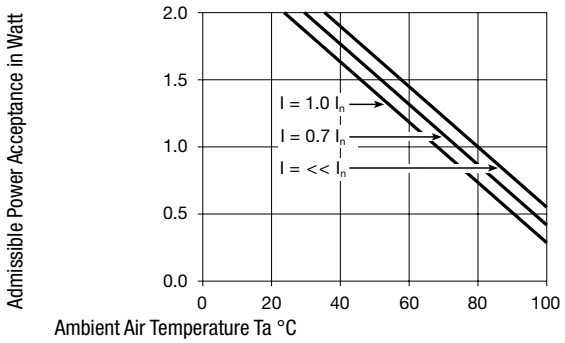


Variants 2 0751.0110 and 0751.0231



Drilling Diagram variants 2 0751.0110 and 0751.0231

Derating Curves for Fuseholders



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Clip	Terminal	Material: Terminals	UL	Order Number
●	Straight	Tin-Plated Bronze	●	0751.0052
●	Straight	Tin-Plated Brass		0751.0062
	-	-		0853.9561
	-	-		0853.9562
●	Kicked	Tin-Plated Brass		0751.0110
●	Kicked	Silver-Plated		0751.0231

Covers only for 0751.0052 and 0751.0062

Packaging Unit Bulk (1000 pcs.)

Accessory

	Description
	Cover to OG, UHB, UH Cover for Holder OG (Clip) 5x20, OG (Halter) 5x20, UH, UHB

Clip, 5 x 20 mm, Version 1

250 VAC

Description
- Through hole mounting

References
General Product Information

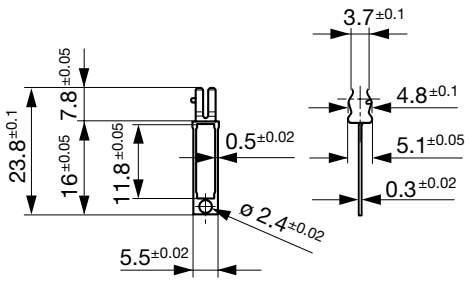
Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

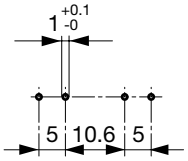
Technical Data

Fuse-Link	5 x 20 mm
Mounting	PCB
Terminal	Solder THT
Rated Voltage	250 VAC
Rated Current	6.3 A
Degree of Protection	IP 00
Admissible Ambient Air Temp.	-40 °C to 90 °C
Climatic Category	40/090/21 acc. to IEC 60068-1
Material: Terminals	see variants
Unit Weight (Socket/Cap)	0.32 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	none

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A
Contact Resistance	< 10 mΩ at 20 mV

Dimensions
Length 26.5 mm





Drilling Diagram

Variants
Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Clip	Terminal	Material: Terminals	Order Number
●	Straight	Silver-Plated Bronze	0752.1242
●	Straight	Nickel-Plated Brass	0752.1243

Packaging Unit
Taped (1000 pcs.)

Clip, 5 x 20 mm, Version 2

250 VAC

Description
- Through hole mounting

References
General Product Information

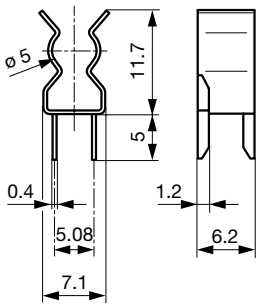
Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

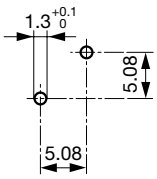
Technical Data

Fuse-Link	5 x 20 mm
Mounting	PCB
Terminal	Solder THT
Rated Voltage	250 VAC
Rated Current	6.3 A
Degree of Protection	IP 00
Material: Terminals	see variants
Unit Weight (Socket/Cap)	0.7 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	none

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A

Dimensions
Length 7.1 mm





Drilling holes variant 7141.2001

Packaging Unit
Bulk (100 pcs.)

Clip, 5 x 20 mm, Version 3

250 VAC

Description
- Through hole mounting

References
General Product Information

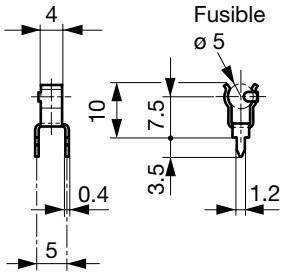
Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

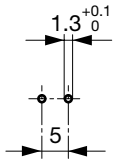
Technical Data

Fuse-Link	5 x 20 mm
Mounting	PCB
Terminal	Solder THT
Rated Voltage	250 VAC
Rated Current	6.3 A
Degree of Protection	IP 00
Material: Terminals	see variants
Unit Weight (Socket/Cap)	0.37 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	none

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A

Dimensions
Length 5.8 mm





Drilling Diagrams

Variants
Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Clip	Terminal	Material: Terminals	Order Number
●	Straight	Tin-Plated Bronze	7181.5001

Packaging Unit
Bulk (100 pcs.)

Clip, 6.3 x 32 mm

250 VAC

Description
- Through hole mounting

References
General Product Information

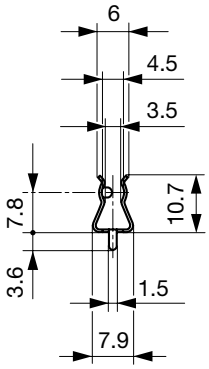
Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

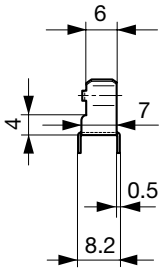
Technical Data

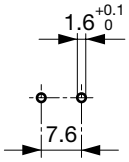
Fuse-Link	6.3 x 32 mm
Mounting	PCB
Terminal	Solder THT
Rated Voltage	250 VAC
Rated Current	10 A
Degree of Protection	IP 00
Material: Terminals	see variants
Unit Weight (Socket/Cap)	0.9 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	none

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A

Dimensions
Length 8 mm







Drilling Diagrams

Variants
Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Clip	Terminal	Material: Terminals	Order Number
●	Straight	Tin-Plated Bronze	7181.5003

Packaging Unit
Bulk (100 pcs.)

OG (Clip) 5x20 / 6.3x32

Clip, 5 x 20 / 6.3 x 32 mm, UR

Variant 2

500 VAC · 2.5 W / 10 A · 16 A (UL)

Description

- Through hole mounting
- Clip-material: bronze or brass
- Fuse block accepts 5x20 or 6.3x32 fuse-links

Standards

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

Approvals

- UL File Number: E39328

References

General Product Information

Weblinks

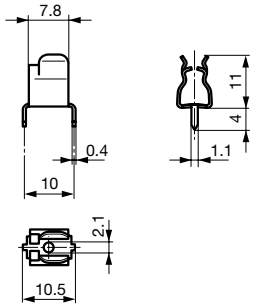
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

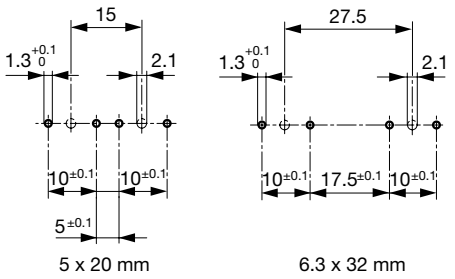
Fuse-Link	5 x 20 or 6.3 x 32 mm
Mounting	PCB
Terminal	Solder THT
Rated Voltage	500 VAC
Rated Current	16 A (UL)
Rated Power Acceptance IEC	2.5 W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves
Degree of Protection	IP 00
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Terminals	see variants
Unit Weight (Socket/Cap)	0.98 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	S, Approvals

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A
Contact Resistance	< 2.5 mΩ at 20 mV

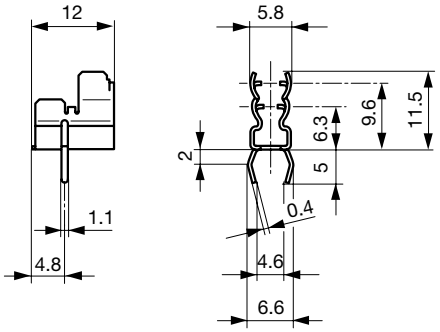
Dimensions



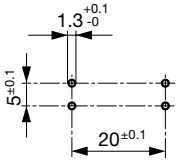
Variant 0751.0056



Drilling holes variant 0751.0056

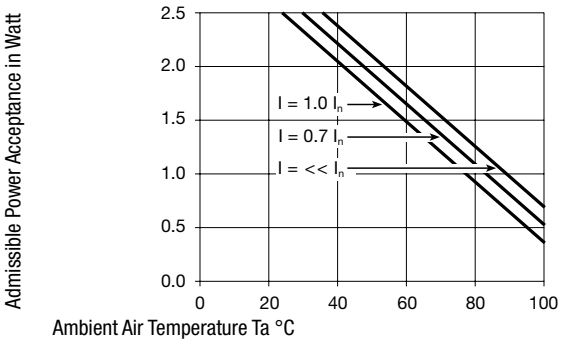


Variant 2 0751.0099, 0751.0100, 0751.0141 and 0751.0142



Drilling diagram variant 2 0751.0099, 0751.0100, 0751.0141 and 0751.0142

Derating Curves for Fuseholders



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Clip	Terminal	Material: Terminals	UL	Order Number
●	Kicked	Tin-Plated Bronze	●	0751.0099
●	Kicked	Tin-Plated Brass		0751.0100
●	Straight	Tin-Plated Bronze	●	0751.0141
●	Straight	Tin-Plated Brass		0751.0142
●	Straight	Tin-Plated Bronze	●	0751.0056

Packaging Unit Bulk (1000 pcs.)

Clip, 5 x 20 mm, 10.3 x 38 mm, UR

20 A (UL)

Description
- Through hole mounting

Standards
- UL 512

Approvals
- UL File Number: E41738

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

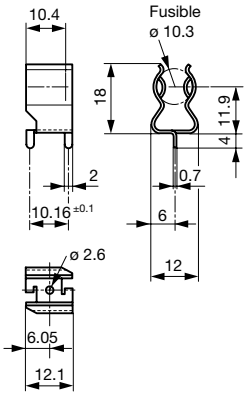
Technical Data

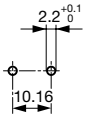
Fuse-Link	10.3 x 38 mm
Mounting	PCB
Terminal	Solder THT
Rated Current	20 A (UL)
Degree of Protection	IP 00
Material: Terminals	see variants
Unit Weight (Socket/Cap)	4.1 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	S, Type, Approvals

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A

Dimensions

Length 12 mm





Drilling Diagram

Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Clip	Terminal	Material: Terminals	Order Number
●	Straight	Tin-Plated Bronze	7170.0470

Packaging Unit

Bulk (100 pcs.)

Fuseholder Open Design, Holder for MSB and 172876, SMD

125 VAC/DC · 0.9 W (UL/CSA)

Standards
- UL 512
- CSA C22.2 no. 39

Approvals
- UL File Number: E41738

References
General Product Information
Packaging Details
Sicherungshalter zu MSB; 172876

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

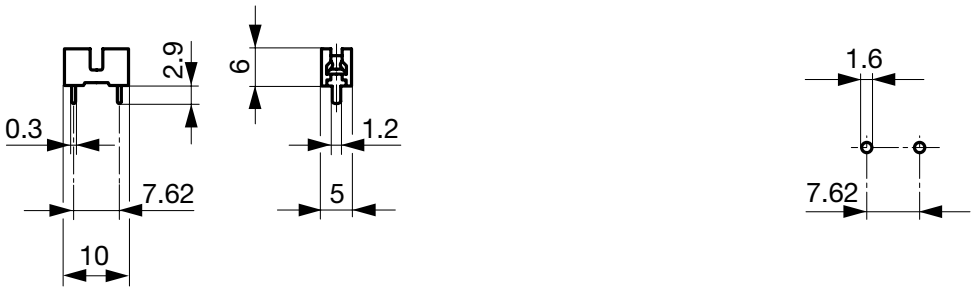
Technical Data

Fuse-Link	2 x 7 mm
Mounting	PCB
Terminal	Solder THT
Rated Voltage	125 VAC/DC
Rated Power Acceptance IEC	0.9 W @ Ta 23 °C
Degree of Protection	IP 00
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 Bronze
Unit Weight (Socket/Cap)	0.45 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	SCHURTER, Approvals

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A

Dimensions

Length 10 mm



Drilling Diagram

Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Order Number
●	7090.9020.xx

Packaging Unit

.xx = .03 Plastic Bag (100 pcs.)
.xx = .55 Blister Tape (500 pcs.)

Fuseholder Open Design, Holder for MSB and 172876, THT

125 VAC/DC · 0.9 W (UL/CSA)

Description
- Surface Mount Device

Standards
- UL 512
- CSA C22.2 no. 39

Approvals
- UL File Number: E41738

References
General Product Information
Packaging Details
Sicherungshalter zu MSB; 172876

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

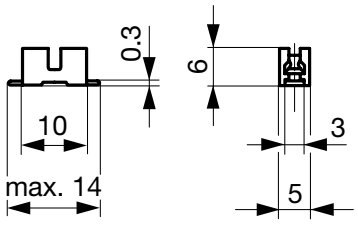
Technical Data

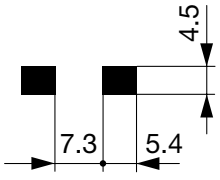
Fuse-Link	2 x 7 mm
Mounting	PCB
Terminal	Solder SMT
Rated Voltage	125 VAC/DC
Rated Power Acceptance IEC	0.9 W @ Ta 23 °C
Degree of Protection	IP 00
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Socket	Thermoplastic, black, UL 94V-0
Material: Terminals	Tin-Plated Bronze
Unit Weight (Socket/Cap)	0.45 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	S, 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

Dimensions

Length 14 mm





Solder pads

Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Order Number
●	7090.9010.xx

Packaging Unit

.xx = .03 Plastic Bag (100 pcs.)
.xx = .55 Blister Tape (500 pcs.)

Fuseholder Open Design, Holder for OMF 63, OMF 125 and OMT 125, SMD

125 VAC · 5 A (UL/CSA)

Description
- Suitable for SMD fuse-links OMF 63/OMF 125/OMT 125

Standards
- UL 512 and CSA C22.2 no. 39

Approvals
- UL File Number: E39328

References
General Product Information
Packaging Details
Sicherungshalter zu OMF 125; OMF 63; OMT 125

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

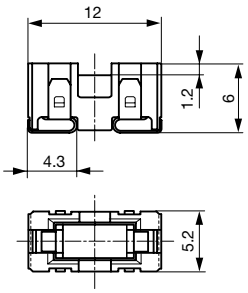
Technical Data

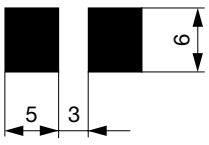
Fuse-Link	OMx 63/125 Fuse
Mounting	PCB
Terminal	Solder SMT
Rated Voltage	125 VAC
Rated Current	5 A (UL/CSA)
Degree of Protection	IP 00
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Socket	Thermoplastic, Beige, UL 94V-0
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight (Socket/Cap)	3.9 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	SCHURTER, 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
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

Dimensions

Length 12 mm





Solder pads

Packaging Unit

.xx = .11 Plastic Bag (100 pcs.)
.xx = .22 Blister Tape 33 cm Reel (750 pcs.)
.xx = .23 Blister Tape 33 cm Reel (1500 pcs.)

Fuseholder Open Design, Holder for MSF 125, vertical, THT

125 VAC · 5 A (UL/CSA)

Description
- Through hole mounting

Standards
- UL 512
- CSA C22.2 no. 39

Approvals
- UL File Number: E39328

References
General Product Information
Sicherungshalter zu MSF 125

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

Fuse-Link	Microfuse 125 V
Mounting	PCB
Terminal	Solder THT
Rated Voltage	125 VAC
Rated Current	5 A (UL/CSA)
Degree of Protection	IP 40
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	Silver-Plated Brass
Unit Weight (Socket/Cap)	0.37 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	S, Approvals

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A
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

Dimensions

Length 8.3 mm

Drilling Diagram

Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Order Number
●	0031.7501

Packaging Unit Plastic Bag (100 pcs.)

Fuseholder Open Design, Holder for MSF 125, horizontal, THT

125 VAC · 5 A (UL/CSA)

Description
- Through hole mounting
- Horizontal mount

Standards
- UL 512
- CSA C22.2 no. 39

Approvals
- UL File Number: E39328

References
General Product Information
Sicherungshalter zu MSF 125

Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

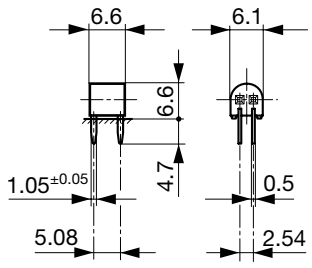
Technical Data

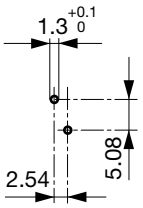
Fuse-Link	Microfuse 125 V
Mounting	PCB
Terminal	Solder THT
Rated Voltage	125 VAC
Rated Current	5 A (UL/CSA)
Degree of Protection	IP 40
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Socket	Thermoplastic, black, UL 94V-0
Material: Terminals	Silver-Plated Brass
Unit Weight (Socket/Cap)	0.34 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	, Approvals

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A
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

Dimensions

Length 11.3 mm





Drilling Diagram

Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Order Number
●	0031.7505

Packaging Unit Plastic Bag (100 pcs.)

Fuseholder Open Design, Holder for MSx 250, THT

250 VAC · 6.3 A (UL/CSA)

Description
- Through hole mounting

Standards
- UL 512
- CSA C22.2 no. 39

References
General Product Information
Sicherungshalter zu MSF 250; MST 250; MSTU 250; MSU 250; MXT 250

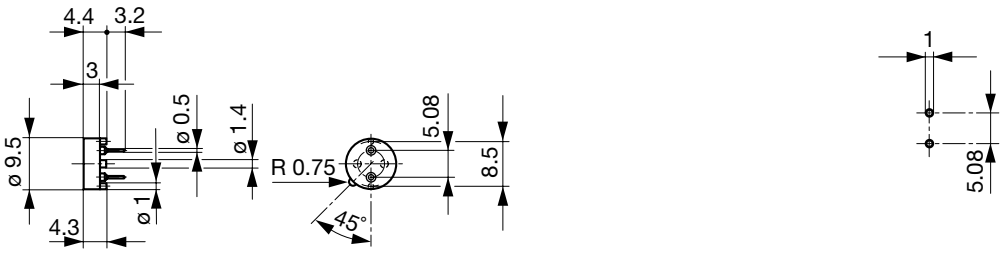
Weblinks
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

Fuse-Link	Microfuse 250 V
Mounting	PCB
Terminal	Solder THT
Rated Voltage	250 VAC
Rated Current	6.3 A (UL/CSA)
Degree of Protection	IP 30
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Socket	Thermoplastic, Beige, UL 94V-0
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight (Socket/Cap)	0.37 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	S, Approvals

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A
Contact Resistance	< 7 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

Dimensions
Length 7.6 mm



Drilling Diagram

Variants
Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Holder	Order Number
●	0031.7601

Packaging Unit
Plastic box (100 pcs.)

SCHURTER ELECTRONIC COMPONENTS

accessories types

Cover OGD, OGD-SMD

Cover for Holder OGD, OGD-SMD

4W/10A

Description

- Fits to type: OGD; OGD-SMD

Standards

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

Approvals

- VDE License Number: 4008993
- UL File Number: E39328

References

General Product Information

Weblinks

Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

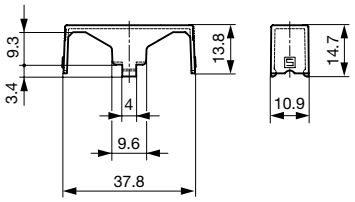
Technical Data

Fuse-Link	6.3 x 32 mm
Rated Power Acceptance IEC	4 W / 10 A @ Ta 23 °C
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Storage Conditions	0 °C to 60 °C, max. 70% r.h.

Soldering Methods	Reflow, Wave
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

Dimensions

Length 37.8 mm



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Reflow Condition	Order Number
Reflow	0853.0917

Packaging Unit

Plastic Bag (100 pcs.)

SCHURTER ELECTRONIC COMPONENTS

Covers OGN, OGN-SMD

Cover for Holder OGN, OGN-SMD

4W/10A

Description

- Fits to type: OGN; OGN-SMD

Standards

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

Approvals

- VDE License Number: 4001042
- UL File Number: E39328

References

General Product Information

Weblinks

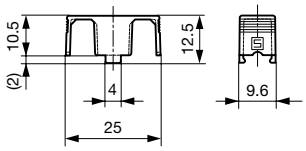
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

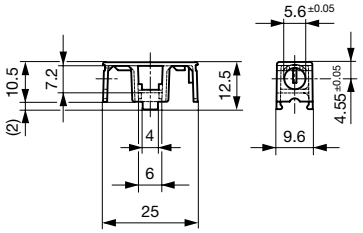
Fuse-Link	5 x 20 mm
Rated Power Acceptance IEC	4 W / 10 A @ Ta 23 °C 2.5 W / 10 A with transparant cover, see derating curves
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Storage Conditions	0 °C to 60 °C, max. 70% r.h.

Dimensions

Length 25 mm



Variants 0853.0551 and 0853.0571



Variant 0853.0576

Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Reflow Condition	Order Number
-	0853.0551
-	0853.0571
-	0853.0576

Packaging Unit

Plastic Bag (100 pcs.)

Cover to OG, UHB, UH

Cover for Holder OG (Clip) 5x20, OG (Halter) 5x20, UH, UHB

Description

- Fits to type: OG (Clip) 5x20; OG (Holder) 5x20; UH; UHB

Standards

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

References

General Product Information

Weblinks

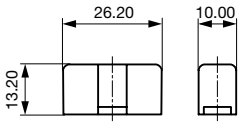
Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

Fuse-Link	5 x 20 mm
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Storage Conditions	0 °C to 60 °C, max. 70% r.h.

Dimensions

Length 26.2 mm



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Reflow Condition	Order Number
-	0853.9561
-	0853.9562

Packaging Unit

Plastic Bag (100 pcs.)

SCHURTER ELECTRONIC COMPONENTS

500 VAC · 4 W / 10 A (VDE) · 250 VAC · 20 A (UL/

Description

- Fits to type: FEC

Standards

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

Approvals

- VDE License Number: 137910 UG
- UL File Number: E39328

References

General Product Information

Weblinks

Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

Fuse-Link	5 x 20 or 6.3 x 32 mm
Rated Voltage	500 VAC (VDE), 250 VAC (UL/CSA)
Rated Current	10 A (VDE), 20 A (UL/CSA)
Rated Power Acceptance IEC	4 W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves
Degree of Protection	IP 40
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Material: Cap	Thermoset, black, UL 94V-0
Storage Conditions	0 °C to 60 °C, max. 70% r.h.

Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Cap	Fuse-Link	Degree of Protection	Order Number
Slot Knob	5 x 20mm	IP 40	0031.1611
Slot Knob	6.3 x 32mm	IP 40	0031.1613
Fingergrip	6.3 x 32mm	IP 40	0031.1616

Packaging Unit Plastic Bag (100 pcs.)

Cap to FEU (Grip)

Caps for Holder FEU (Grip)

250 VAC · 4 W / 10 A (VDE) · 20 A (UL/CSA)

Description

- Fits to type: FEU (Grip)

Standards

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

Approvals

- VDE License Number: 134125
- UL File Number: E39328

References

General Product Information

Weblinks

Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

Fuse-Link	5 x 20 or 6.3 x 32 mm
Rated Voltage	250 VAC
Rated Current	10 A (VDE), 20 A (UL/CSA)
Rated Power Acceptance IEC	4 W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves
Degree of Protection	IP 40
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Material: Cap	Thermoset, black
Storage Conditions	0 °C to 60 °C, max. 70% r.h.

Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Cap	Fuse-Link	Degree of Protection	Order Number
Fingergrip	6.3 x 32mm	IP 40	0031.1812
Fingergrip	5 x 20mm	IP 40	0031.1811

Packaging Unit

Plastic Bag (100 pcs.)

Caps to Holder FEU, FEU (Med), FAU, FAC

250 VAC · 4 W / 10 A (VDE) · 16 A (UL/CSA)

Description

- Fits to type: FAC; FAU; FEU; FEU (Med)

Standards

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

Approvals

- VDE License Number: 134125
- UL File Number: E39328

References

General Product Information

Weblinks

Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

Fuse-Link	5 x 20 or 6.3 x 32 mm
Rated Voltage	250 VAC
Rated Current	10 A (VDE), 16 A (UL/CSA)
Rated Power Acceptance IEC	4 W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves
Degree of Protection	IP 40
Protection Class	Suitable for appliances with protection class Protection class I or II acc. to IEC 61140
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Material: Cap	Thermoplastic, UL 94V-0
Storage Conditions	0 °C to 60 °C, max. 70% r.h.

Variants [nicht konfiguriert] Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Order	Type	Holder	Clip	Strip	Cap	Fuse-	Panel	Rated	Termi-	Termi-	Pin di-	Termi-	Moun-

Packaging Unit Plastic Bag (100 pcs.)

Caps to Holder FUL, FUP, FUA

500 VAC · 4 W / 16 A (VDE) · 250 VAC · 30 A (UL/

Description

- Fits to type: FUA; FUL; FUP

Standards

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

Approvals

- VDE License Number: 40010391
- UL File Number: E39328

References

General Product Information

Weblinks

Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

Fuse-Link	5 x 20 or 6.3 x 32 mm
Rated Voltage	500 VAC (VDE), 250 VAC (UL/CSA)
Rated Current	16 A (VDE), 30 A (UL/CSA)
Rated Power Acceptance IEC	4 W / 16 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves
Degree of Protection	IP 40
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	25/085/21 acc. to IEC 60068-1
Material: Cap	Thermoset, UL 94V-0
Storage Conditions	0 °C to 60 °C, max. 70% r.h.

Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Cap	Fuse-Link	Degree of Protection	Order Number
Slot Knob	6.3 x 32mm	IP 40	0031.2321
Slot Knob	5 x 20mm	IP 40	0031.2323

Packaging Unit Plastic Bag (25 pcs.)

Caps to Holder FUL (IP 67)

500 VAC · 4 W / 16 A (VDE) · 250 VAC · 30 A (UL/

Description

- Fits to type: FUL

Standards

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

Approvals

- VDE License Number: 40010391
- UL File Number: E39328

References

General Product Information

Weblinks

Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

Fuse-Link	5 x 20 or 6.3 x 32 mm
Rated Voltage	500 VAC , 250 VAC
Rated Current	16 A (VDE), 30 A (UL/CSA)
Rated Power Acceptance IEC	4 W / 16 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves
Degree of Protection	IP 67
Protection Class	Suitable for appliances with protection class Protection class I or II acc. to IEC 61140
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Material: Cap	Thermoset, UL 94V-0
Storage Conditions	0 °C to 60 °C, max. 70% r.h.

Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Cap	Fuse-Link	Degree of Protection	Order Number
Slot Knob	6.3 x 32mm	IP 67	0031.2320
Slot Knob	5 x 20mm	IP 67	0031.2322

Packaging Unit Plastic Bag (25 pcs.)

Caps to Holder 231618

250 VAC · 16 A (UL/CSA)

RoHS COMPLIANT 2002/95/EC

GAM T1

Description

- Fits to type: 231618

Standards

- UL 512
- CSA C22.2 no. 39

References

General Product Information

Weblinks

Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

Fuse-Link	5 x 20 or 6.3 x 32 mm
Rated Voltage	250 VAC
Rated Current	16 A (UL/CSA)
Degree of Protection	IP 40
Admissible Ambient Air Temp.	-40 °C to 85 °C
Material: Cap	Thermoplastic, black
Storage Conditions	0 °C to 60 °C, max. 70% r.h.

Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Cap	Fuse-Link	Degree of Protection	Order Number
Fingergrip	5 x 20mm	IP 40	7091.7120
Fingergrip	6.3 x 32mm	IP 40	7091.7130

SCHURTER ELECTRONIC COMPONENTS

Cover for FIZ, FUL

Description

- Fits to type: FIZ; FUL

References

General Product Information

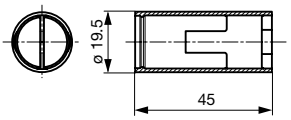
Weblinks

Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

Admissible Ambient Air Temp.	-40 °C to 85 °C
Storage Conditions	0 °C to 60 °C, max. 70% r.h.

Dimensions



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Reflow Condition	Order Number
-	0859.0046

Cover for FEU, FEU (Med)

Insulation Cover for FEU, FEU (Med)

Description

- Fits to type: FEU; FEU (Med)

References

General Product Information

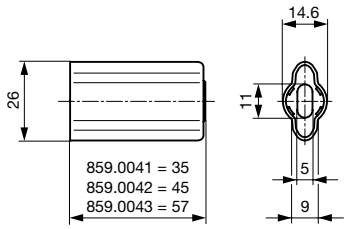
Weblinks

Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

Technical Data

Admissible Ambient Air Temp.	-40 °C to 85 °C
Storage Conditions	0 °C to 60 °C, max. 70% r.h.

Dimensions



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Reflow Condition	Order Number
-	0859.0041
-	0859.0042
-	0859.0043

Packaging Unit

Bulk (100 pcs.)

general product-information

general product-information

Product standard equipment standard

The product standard only contains minimum requirements. Attention is drawn to the fact that appliance specifications might contain requirements additional to or deviating from those specified in the relevant product standards.

Comments on definitions used

Please be aware that the specifications nominal value used in the German part of the Schurter catalogue and the data sheets, is synonymous with rated value.
The difference between these two values is a pure matter of definition. In order to avoid any unnecessary complications we will continue to use the specifications nominal value.

CE marking CE acc. to EU-directives

CE marking is the only marking which indicates that a product conforms to the relevant EU-directive.
This means that the CE-mark is no quality or standard conformity mark but only an administration mark.
SCHURTER products are covered by the low voltage directives 72/23/EEC and 93/68/EEC. Those are valid for equipment and appliances with rated voltage values between AC 50 V to AC 1000 V as well as DC 75 V to DC 1500 V.
The CE marking of SCHURTER parts will be found on the label of the smallest packing unit. On request we will submitt a CE conformity statement for each component. CE conformity statements and approvals can also be retrieved from the internet under www.schurter.com.

Conformity to component standards, national approvals

National testing institutions are testing according to national and international standards or other generally recognized rules of technology. Their certification/approval-marks confirm the observance of the safety requirements which electric appliances must fulfil.

National approvals

10 (Mark)	European Norms Electrical Certification	
(Mark)	VDE	Verband Deutscher Elektrotechniker
(Certificate of conformity with factory surveillance)		
	UMF	Universal Modular Fuse meets the standard IEC 60127-4
(Recognition)	UL	Underwriters Laboratories (USA, Canada)
(Listing)	UL	Underwriters Laboratories (USA, Canada)
(Recognition)	UL	Underwriters Laboratories (USA)
(Listing)	UL	Underwriters Laboratories (USA, Canada)
	CSA	Canadian Standard Association, Component Acceptance Service
	CSA	Canadian Standard Association
	CCC	China Compulsory Certification
	PSE	Japan Electrical Safety & Environment technology Laboratories
	KTL	Korea Testing Laboratory
	TÜV	Technischer Überwachungs Verein
	NF	Norme française
NNO	NNO	Numéro de nomenclature Otan (OTAN = NATO = North Atlantic Treaty Organisation)
GAM T1	GAM T1	Liste interarmées AIR MER TERRE de composants électroniques

In addition to the combined UL/CSA approvals, most of the SCHURTER components are also approved by one of the European Certification Bodies like VDE (Germany), Electrosuisse (Switzerland) or SEMKO (Sweden). The safety testing of all these European Certification Bodies are based on the commen European Safety Standards. With the harmonisation effort in Europe, the different National European Certification Bodies have lost their importance and SCHURTER has decided to maintain only one European approval (e.g. VDE, SEV or SEMKO) in future. The others will not be renewed once they have expired.

Because UL and CSA are not members of the CENELEC, the standards of UL and CSA are not harmonised yet with the European Standards. However, UL and CSA are trying to harmonize their standards with each other. Where possible, SCHURTER will apply for the combined cULus or cURus approval.

Further to development in Asia, SCHURTER has obtained national approvals from China, Japan and Korea.

IP degrees of protection provided by enclosures (IP code)

Standards IEC 60529; EN 60529

Scope
These standards apply to the classification of degrees of protection provided by enclosures for electrical equipment with a rated voltage not exceeding 72.5 kV.

Object
The object of these standards is to give:

a) Definitions for degrees of protection provided by enclosures of electrical equipment as regards:
1. Protection of persons against access to hazardous parts inside the enclosure
2. Protection of the equipment inside the enclosure against ingress of solid foreign objects
3. Protection of the equipment inside the enclosure against harmful effects due to the ingress of water.

b) Designations for these degrees of protection.
c) Requirements for each designation.
d) Tests to be performed to verify that the enclosure meets the requirements of these standards.

Designations

The degree of protection provided by an enclosure is indicated by the IP Code.

Elements of the IP Code and their meanings

A brief description of the IP Code elements is given in the following table.

IP xy	Meaning for the protection of equipment	Meaning for the protection of persons
	Against ingress of solid foreign objectif	**Against access to hazardous parts with**
x = 0	(non-protected)	(non-protected)
x = 1	50 mm diameter	back of hand
x = 2	12.5 mm diameter	finger
x = 3	2.5 mm diameter	tool
x = 4	1.0 mm diameter	wire
x = 5	dust-protected	wire
x = 6	dust-tight	wire
	Against ingress of water with harmful effects	
y = 0	(non protected)	
y = 1	vertically dripping	
y = 2	dripping (15° tilted)	
y = 3	spraying	
y = 4	splashing	
y = 5	jetting	
y = 6	powerful jetting	
y = 7	temporary immersion	
y = 8	continuous immersion	

Protection against electric shock

1. Protection against direct and indirect contact General terms

The protection against electric shock on electric equipment as well as their components are divided into the following parts:

- Protection against direct contact with live parts concerns all measures for the protection of human beings and animals against hazards which result from direct contact with live parts of electric equipment and their components.
- Protection against indirect contact is the protection of human beings and animals against hazards which result from contact of live parts 1 of electric equipment as well as components thereof, which have become live due to an insulation failure.

[1)] Accessible, conductive part, which is not conductive normally but which may be conductive due to a failure.

2. Protection against direct contact with live parts e.g. of a fuseholder

The data sheets of the relevant components inform about the taken measures.

3. Protection against indirect contact

Measures for the protection against indirect contact on electrical equipment are defined according to IEC 61140 by the 4 protection classes 0, I, II, III. Each protection class includes two protection measures. Even if one of these measures should fail, no electric shocks will occur.

Protection class	Main protective measures
0	1. Basic insulation between live parts and accessible conductive parts. 2. Earth-free location, non-conducting environment.
I 	1. Basic insulation between live parts and accessible conductive parts. 2. Means are provided for the connection of accessible conductive parts of the equipment to the protective (earthing) conductor in the fixed wiring of the installation in such a way that accessible conductive parts cannot become live in the event of a failure of the basic insulation.
II 	1. Basic insulation between live parts and accessible conductive parts. 2. Additional insulation. Basic and supplementary insulation are summarised under the term "double insulation". Under certain circumstances also a "reinforced insulation» (single insulation system) may guarantee an equivalent protection against electric shock as a "double-insulation" does. No terminal for a protective conductor is allowable. A possibly existing protective conductor must not be connected and has to be insulated like any live part.
III 	1. Functional insulation. 2. Supply at safety extra-low voltage SELV (the circuit is isolated from the mains supply by such means as a safety isolating transformer). The protection against electric shock is in this case completely based on the supplying by SELV-circuits (U ≤ 42 V). Higher voltages are not generated in the equipment. No terminal for a protective conductor is allowable.

Fuseholders

Explanations, thermal requirements, selection criteria

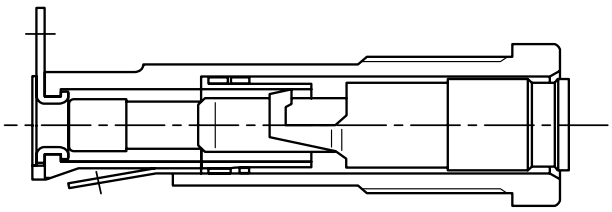
1. Protection against electric shock (against direct contact with live parts), for fuseholders

The assessment of the protection against electric shock assumes that the fuseholder is properly assembled, installed and operated as in normal use, e.g. on the front panel of the equipment.

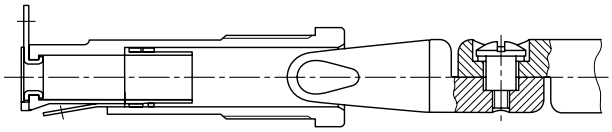
IEC 60127-6 and EN 60127-6 divides into three categories:

Category	Features
PC1	**Fuseholders without integral protection against electric shock.** They are only suitable for applications where corresponding additional means are provided to protect against electric shock.
PC2	**Fuseholders with integral protection against electric shock** live part is not accessible: - when the fuseholder is closed - after the fuse carrier (incl. fuse-link) has been removed - either during insertion or removal of the fuse carrier (incl. fuse-link) Compliance is checked by using the standard test finger specified in IEC 60529.
PC3	**Fuseholder with enhanced integral protection against electric shock** The requirements for this category are the same as those for category PC2, with the exception that the testing is carried out with a rigid test wire of 1 mm diameter accor ding to IEC 60529, table VI, instead of the standard test finger.

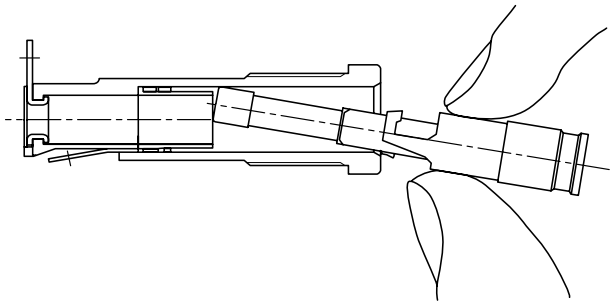
a) Closed fuseholder



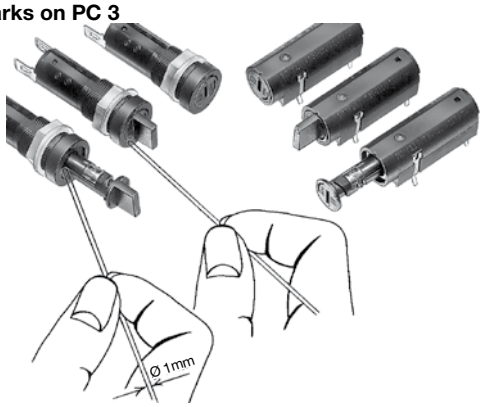
b) When the fuse carrier is removed, no live parts can be touched.



c) During insertion or removal of a fuse-link no live parts can be touched neither through the fuse-link nor the fuse carrier.



Remarks on PC 3



2. Thermal requirements of the fuseholder

2.1. Influencing factors
The design engineer of electrical equipment is responsible for its safety and functioning to humans, animals and real values. Above all, it is his task to make sure that the state of the art as well as the valid national and international standards and regulations be observed.

In view of the safety of electrical equipment the selection of the most suitable fuseholder is of great importance. Among other parameters, one has to make sure that the maximum admissible power acceptances and temperatures defined by the manufacturer are followed. Differing definitions and requirements in the most important standards for fuse-links and fuseholders are time and again origin for the incorrect selection of fuseholders.

To equate the rated current of a fuse-link with the rated current of the fuseholder, may, especially at higher currents, cause high, not admissible temperatures, when the influence of the power dissipation in the contacts of the fuseholder was not taken into consideration.

For a correct selection the follwing influence factors depending on the application and mounting method, have to be taken into consideration.
It is recommended testing the fuseholder with the choosen fuse-link in the worst case operating condition.

1. Rated power dissipation of the suitable fuse-link.
2. Admissible power acceptance, operating current and temperatures of the suitable fuseholder.
3. Differing ambient air temperature outside and inside of the equipment.
4. Electrical load alternation
5. Long time (> 500 h) operation with load > 0.7 I_n.
6. Heat dissipation/cooling and ventilation. Heat influence of adjacent components.
7. Length and cross section of the connecting wire.

2.2 Rated current of a fuseholder

The value of current assigned by the manufacturer of the fuseholder and to which the rated power acceptance is referred.

2.3 Rated power dissipation of the fuse-link

(power dissipation at rated current)

2.4 Rated power acceptance and admissible temperatures of a fuseholder.

The rated power acceptance of a fuseholder is determined by a standardised testing procedure according to IEC 60127-6. It is intended to be the power dissipation caused by the inserted dummy fuse-link at the rated current of the fuseholder and at an ambient air temperature of T_{A1}= T_{A2} = 23 °C (over a long period). During this test the following temperatures must not be exceeded on the surface of the fuseholder:

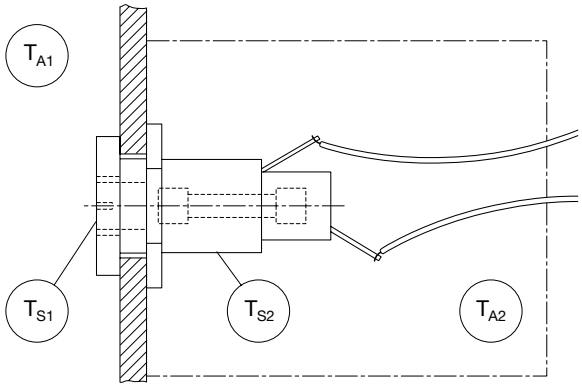
Fuseholder surface area	Maximum allowable temperature measuring points (see figure 1)	°C
1. Accessible parts [1]	T_{S1}	85
2. Inaccessible parts [1] Insulating parts	T_{S2}	[2]

Notes:

[1] When the fuse-holder is properly assembled, installed and operated as in normal use, e.g. on the front panel of equipment.

[2] The maximum allowable temperature of the used insulating materials corresponds to the Relative Temperature Index (RTI) according to IEC 60216-1 or UL 746 B.

Illustration of temperatures experienced in practice

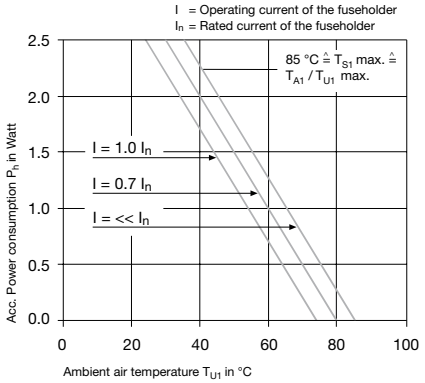


T_{A1} = ambient air temperature, surrounding the equipment
T_{A2} = ambient air temperature in the equipment
T_{S1} = temperature of accessible parts on fuseholder surface
T_{S2} = temperature of inaccessible parts on fuseholder surface

2.5 Correlation between operating current I, ambient air temperature T_{A1} and the power acceptance P_h of the fuseholder.

This correlation is demonstrated by derating curves.

Example of a derating curve



I = operating current of the fuseholder
I_n = rated current of the fuseholder

The derating curves demonstrate the admissible power acceptance of a fuseholder depending on the ambient air temperature T_{A1} for the following fuseholder operating currents: I << I_n, I = 0.7 · I_n and I = 1.0 · I_n. This power acceptance corresponds to the max. admissible power dissipation of a fuse-link.
The corresponding values for other operating currents can be interpolated between the existing curves or calculated as follows:

$$P_h = P_o - P_c = P_o - (R_c \cdot I^2)$$

P_h= admissible power acceptance in watt of the fuseholder, depending on T_{A1}.
P_o= admissible power acceptance in watt of a fuseholder at I << I_n, depending on T_{A1}. The values can be taken from the derating curve I << I_n of the corresponding fuseholder.
P_c= power dissipation in watt in the fuseholder contacts at the operating current in ampere.
I = operating current in ampere of the fuseholder.
R_c= contact resistance in ohm between the fuseholder terminals according to SCHURTER s catalogue.

3. Selection of a suitable fuseholder with respect to the power acceptance at the corresponding ambient air temperature.

Summary

The adherence to the limits, indicated by SCHURTER, in particular the power acceptance limits at the corresponding ambient air temperatures and mounting conditions of the fuseholder, is important for the safety of the product. It is therefore necessary to observe the following two steps:

Step 1

Selection of the fuseholder based on the power acceptance P_h at operating current I and maximum ambient air temperature T_{A1}.

$P_f \leq P_h = P_o - P_c = P_o - (R_c \cdot I^2)$
P_f= rated power dissipation in watt of the fuse-link, calculated from (I_n . U), whereas:
I_n = rated current in ampere of the fuse-link
ΔU= voltage drop in volt at I_n; values according to SCHURTER's catalogue.
P_h, P_o, P_c, R_c = see pos. 2.5

Step 2

The reduction of the power acceptance of the fuseholder (from step 1) based on the different conditions at the mounting place etc. have to be determined by the design engineer responsible.

Examples:
- ambient air temperature is considerably higher inside of an equipment than outside ($T_{A2} > T_{A1}$)
- cross-section of the conductor, unfavourable heat dissipation
- heat influence of adjacent components

Therefore, temperature measurements on the appliance under normal and faulty conditions are absolutely necessary.

4. Example

4.1 What's given?
- Fuse-link FSF 0034.1523, rated current I_n = 5 A. Voltage drop ΔU at I_n = 80 mV, typ. Rated power dissipation P_f = (In · Δ) = (5 A · 0.08 V) = 0.4 W.
- Fuseholder FEF 0031.1081, rated current I_n = 10 A
  Rated power acceptance at T_{A1} 23 °C = 3,2 W.
- Ambient air temperature = 50 °C.
  Admissible power acceptance P_h at an ambient air temperature T_{A1} 50 °C according to the derating curve:

P_h at I << I_n = 2.5W
I = 0.7 · I_n = 7 A = 2.2W
I = 1.0 · I_n = 10 A = 2 W

- Contact resistance R_c = 5 mΩ

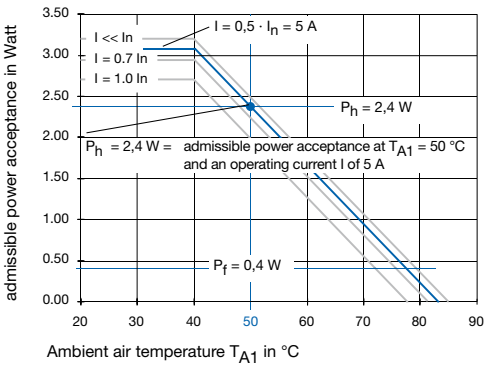
4.2 What is the admissible power acceptance P_h of the fuseholder?

Solutions

4.2.1 The result of the interpolation for the rated current I = 5 A is a P_h of approx. 2,4 W.

4.2.2 The result of the calculation is
$P_h = P_o$ (R_c · I2) = 2.5 (0.005 · 52) = 2.37 W P≈2.4 W.

4.3 Derating curves of the fuseholder, type FEF, rated current I_n = 10 A



4.4 Verification of the thermal requirements

Step 1
The following condition must be fulfilled:
P_f P_h this means: the rated power dissipation Pf of the fuse-link must be less/equal than the admissible power acceptance Ph of the fuseholder.

P_f = 0.4 W; P_h = 2.4 W at T_{A1} = 50 °C

Step 2
To consider the different conditions at the mounting place

4.5 Conclusion (without consideration of step 2)

- The value P_f is less than P_h. The condition according to formula is fulfilled. It has been chosen a suitable fuseholder.
- If the value P_f were greater than P_h the condition wouldn't be fulfilled. In that case, do select another fuseholder with a higher power acceptance or change the thermal conditions at the fuseholder mounting place.

5. Standards for fuseholders

IEC 60127-6	Fuseholders for miniature fuse-links
NF C93-436	Fuseholders for professional purposes
UL 512	Fuseholders
CSA C22.2 no. 39	Fuseholder assemblies

IEC: International Electrotechnical Commission
UL: Underwriters Laboratories Inc. USA
CSA: Canadian Standards Association
NF: French Standard

6. Explanation to the main fuseholder standards

As mentioned in section 2, the most relevant standards define rated current and rated power acceptance differently. This lead in the past often to confusion or even to a wrong fuseholder design-in.

For example the standard UL 512 does not define a maximum power acceptance value, but sets a certain value of temperature rise for the fuseholder. For this reason the marked amperage values on the fuseholder, defined by UL and CSA, are not suggested to be used except in special cases.

In order to eliminate such confusion, SCHURTER new decided to define the rated current and rated power acceptance values according to IEC 60127-6 and EN 60127-6.
The most important definitions are to be found in section 2.

Conclusion

- The high UL and CSA current ratings are replaced by more realistic rated currents defined by SCHURTER.
- Focused on the new fuseholder standard IEC 60127-6 and EN 60127-6, the power acceptance of several fuseholders had to be reduced.
- The design-in procedure and in particular to choose the correct fuseholder in terms of thermal requirements (refer to section 2-4) is now made much easier.

Your advantages:
- **More security for your equipment**
- **Faster and much easier selection of the correct fuseholder**

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Switzerland
SCHURTER AG
Tel: ++41 +41 369 31 11
contact@schurter.ch

Brasil
SCHURTER + OKW do Brasil
Componentes Eletronicos Ltda
Tel.: ++55 +11 5041 31 41
info@sob-brasil.com

China
SCHURTER Electronics Shenzhen Ltd.
Tel: ++86 755 2994 0066
info@schurter.com.cn

CHI LICK SCHURTER Ltd.
Hong Kong SAR
Tel: ++852 2408 7798
fuse@chilickschurter.com

Czech Republic
SCHURTER spol. s.r.o.
Tel: ++42 +0483 392 080
firma@schurter.cz

France
SCHURTER SAS
Tel: ++33 +3 2502 5049
contact@schurter.fr

Germany
SCHURTER GmbH
Tel: ++49 +7642 6820
info@schurter.de

SCHURTER Otto Heil GmbH
Tel: ++49 +6171 506 10
sales@schurter-heil.de

India
SCHURTER Electronics (India) Pvt. Ltd.
Tel: ++91 +2667 264753/4
info@schurter.co.in

Italy
KEVIN-SCHURTER S.p.a
Tel: ++39 +02 3046 5311
info@kevin.it

Japan
SCHURTER K. K.
Tel: ++81 +3 5465 2062
info@schurter.co.jp

Singapore
SCHURTER (S) Pte. Ltd. (APAC HQs)
Tel: ++65 6291 2111
info@schurter.com.sg

Slovakia
SCHURTER (SK) s.r.o.
Tel: ++42 138 539 84 80

Sweden
SCHURTER Nordic AB
Tel: ++46 +8 447 35 60
info@schurter.se

UK
SCHURTER Ltd.
Tel: ++44 +1243 810 810
sales@schurter.co.uk

USA
SCHURTER Inc.
Tel: ++1 +707 636 3000
info@schurterinc.com

> INPUT SYSTEMS

Germany
SCHURTER GmbH
Tel: ++49 +7642 6820
info@schurter.de

Switzerland
MEIERHOFER AG
Tel: ++41 +56 481 90 00
info@meierhofer.ch

> EMS
ELECTRONIC MANUFACTURING SERVICES

Romania
INTERELEKTRONIC SRL
Tel: +402 135 08 100
info@interelektronic.ro

Switzerland
TICOMEL SA
Tel: ++41 +91 640 44 10
contact@ticomel.ch

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