

Voltage selector switch, 2 stages, serie-parallel, panel mounting



Voltage Selector
2 stage
Panel Mounting

See below:

Approvals and Compliances

Description

- Voltage Selector , 2 stage
- Series-parallel connections
- Solder terminals

References

Alternative: version for PCB mounting [SWA2 \(Print\)](#)

Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Approvals](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

Ratings	IEC: 6.3 A / 250 VAC; 50 Hz
	UL: 6.3 A / 250 VAC; 60 Hz
	CSA: 6.3 A / 250 VAC; 60 Hz
Mounting	Panel mount front side
Attachment	Screw-on mounting
Terminal	Solder
Number of Stages	2
Lifetime	300 operating cycles (without load)
Degree of Protection	IP40
Protection Class	Suitable for appliances with protection class II acc. to IEC 61140
Allowable Operation Temperature	-40 °C to 85 °C
Climatic Category	25/85/21 acc. to IEC 60068-1
Material: Socket	Thermoplastic, black, UL 94V-0
Weight	3.9 g

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
Insulation Resistance	> 10'000M Ω (500VDC; 1min)
Contact Resistance	< 10m Ω at 20 mV
Dielectric Strength	> 2kVAC between L-N > 4kVAC between L/N-PE (1min; 50Hz)
Clearance and Creepage Distance	> 3mm > 8mm between L/N-PE
Resistance to Vibration	acc. to IEC 60068-2-6, test Fc
Panel Thickness S	max 8.5mm

Approvals and Compliances



Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Approvals



The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: SWA

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40040796
	UL Approvals	UL	UR File Number: E72661



Product standards

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	UL 508	Industrial control equipment
	Designed according to	CSA C22.2 no. 14	Industrial Control Equipment




Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
	Suitable for applications acc.	IEC 60335-1	Safety of electrical appliances for household and similar purposes. Meets the requirements for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 & -13.

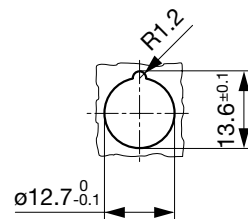
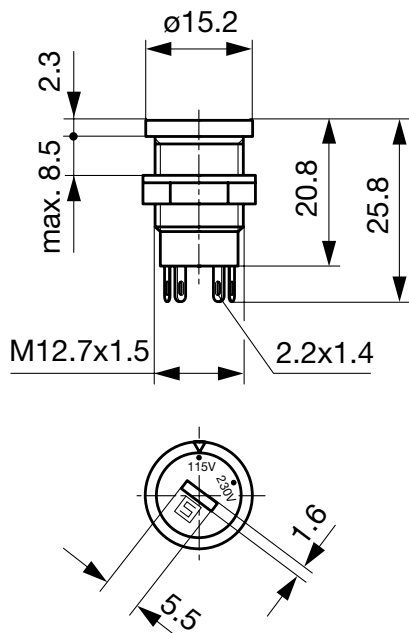
Compliances

The product complies with following Guide Lines

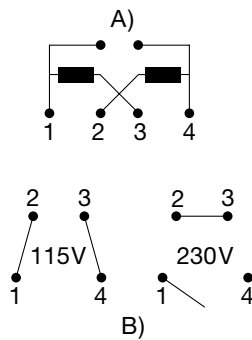
Identification	Details	Initiator	Description
	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

Dimension [mm]

25.8 mm
Panel mounting hole



Diagrams



- A) Power mains
B) Internal contact arrangement for series-parallel connection

Variants

Letterings		Order Number
Stage 1	Stufe 2	
110	220	0033.4501
115	220	0033.4502
120	240	0033.4503
115	230	0033.4504
50 Hz	60 Hz	0033.4508
LO	HI	0033.4513
		0033.4514
0	1	0033.4518
A	B	0033.4521
Test	RUN	0033.4524

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

Packaging Unit 100 Pcs

Accessories

Description



Nut_for_fuse_holder
Mounting accessories for fuse holder