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Data Sheet

August 13, 2026

SCHURTER

Schurter SWZ1 Voltage Selector Switch

Schurter SWZ1 Front Panel Voltage Selector Switch The Schurter SWZ1 (Frontpl) is a six-stage series-parallel voltage selector for front-panel mounting with solder terminals. It selects transformer primary taps (typical markings 110/130/150/220/240/260 V class). Ratings are 6.3 A / 250 VAC (IEC and CSA) and 10 A / 250 VAC (UL). PCB-mount alternative is SWZ2 (Print). Order numbers 0033.3501 through 0033.3560 define stage lettering. Mains voltage selection on instruments and appliances with dual-primary transformers; 115/230 V field conversion; front-panel IEC/UL power-entry designs. The Schurter SWZ1 (Frontpl) is a six-stage series-parallel voltage selector for front-panel mounting with solder terminals. It selects transformer primary taps (typical markings 110/130/150/220/240/260 V class). Ratings are 6.3 A / 250 VAC (IEC and CSA) and 10 A / 250 VAC (UL). PCB-mount alternative is SWZ2 (Print). Order numbers 0033.3501 through 0033.3560 define stage lettering. Mains voltage selection on instruments and appliances with dual-primary transformers; 115/230 V field conversion; front-panel IEC/UL power-entry designs.



MODEL

Schurter SWZ1

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

SWZ1

LISTING

<https://aumictechlabs.com/products/swz1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Schurter SWZ1 (Frontpl) is a front-panel mounted voltage selector switch engineered for flexible voltage input configuration in industrial and commercial electronic systems. This six-stage switch supports series-parallel connection topology, enabling multiple voltage selection patterns

from a single compact assembly. Rated for 6.3 A / 250 VAC at 50 Hz (IEC), 10 A / 250 VAC at 60 Hz (UL), and 6.3 A / 250 VAC at 60 Hz (CSA), the SWZ1 delivers reliable switching with minimal contact resistance below 10 mΩ at 20 mV and insulation resistance exceeding 10 MΩ at 500 VDC. Technical Specifications Electrical Ratings: 6.3 A / 250 VAC 50 Hz (IEC); 10 A / 250 VAC 60 Hz (UL); 6.3 A / 250 VAC 60 Hz (CSA) Contact Resistance: 10 MΩ @ 500 VDC, 1 min Dielectric Strength: > 2 kVAC L-N; > 4 kVAC L/N-PE (1 min, 50 Hz) Clearance/Creepage: > 3 mm; > 8 mm L/N-PE Operating Temperature Range: -40 °C to 85 °C Climatic Category: 25/85/21 per IEC 60068-1 Mechanical Lifetime: 300 operating cycles (unloaded) Degree of Protection: IP40 Protection Class: Class II per IEC 61140 Key Features Six-stage series-parallel switching configuration Screw-on front-panel mount; supports maximum 4 mm panel thickness Solder terminals with verified thermal stability (350 °C / 2 sec per IEC 60068-2-20, Ta method 2) Thermoplastic socket body, black, UL 94V-0 rated Vibration resistant per IEC 60068-2-6, test Fc Compact 12.4 g package Approvals & Compliance UL E72661, CSA LR45945, VDE ENEC_10 UL 508, CSA C22.2 No. 55 IEC/UL 62368-1 CE and UKCA declarations of conformity REACH compliant

Features & description

From manufacturer datasheet

Features

- 6-stage series-parallel voltage selector
- Panel-mount front, screw-on, solder terminals
- IEC 6.3 A / 250 VAC; UL 10 A / 250 VAC; CSA 6.3 A / 250 VAC
- IP40; -40 to 85 C; thermoplastic UL 94V-0
- Insulation resistance greater than 10000 MOhm at 500 VDC
- Standards IEC 61058-2-5, UL 508, CSA C22.2 no. 55

SWZ1 Characteristics / Specifications

PARAMETER	VALUE
Model	SWZ1
Manufacturer	Schurter
Instrument Type	Voltage Selector Switch
Series	SWZ1 Frontpl
Alias	SWZ1; SWZ1 (Frontpl)
Number Of Stages	6
Connection Scheme	series-parallel
Mounting	panel mount front side
Attachment	screw-on mounting
Terminal	solder
Ratings IEC	6.3 A / 250 VAC; 50 Hz
Ratings UL	10 A / 250 VAC; 60 Hz
Ratings CSA	6.3 A / 250 VAC; 60 Hz
Lifetime	300 operating cycles without load
Degree Of Protection	IP40
Protection Class	suitable for appliances protection class II per IEC 61140
Allowable Operation Temperature	-40 C to 85 C
Climatic Category	25/85/21 per IEC 60068-1
Socket Material	thermoplastic, black, UL 94V-0
Weight	12.4 g
Solderability	350 C / 2 s per IEC 60068-2-20 Test Ta method 2
Resistance To Soldering Heat	350 C / 10 s per IEC 60068-2-20 Test Tb method 2
Insulation Resistance	greater than 10000 MOhm (500 VDC; 1 min)
Contact Resistance	less than 10 mOhm at 20 mV
Dielectric Strength LN	greater than 2 kVAC between L-N (1 min; 50 Hz)

PARAMETER	VALUE
Dielectric Strength PE	greater than 4 kVAC between L/N-PE (1 min; 50 Hz)
Clearance Creepage LN	greater than 3 mm
Clearance Creepage PE	greater than 8 mm between L/N-PE
Vibration	IEC 60068-2-6 test Fc
Panel Thickness Max	4 mm
Dimension Body	47 mm class; bushing diameter 29.5 mm
PCB Alternative	SWZ2 Print
Example Order 0033.35	stages 150 / 220 / 130 / 260 / 110 / 240 V lettering
Standards	IEC 61058-2-5; UL 508; CSA C22.2 no. 55
Panel Hole	see SWZ1 datasheet 30 mm class cutout with 3.6 mm screw holes Notes Specs from Schurter SWZ1 (Frontpl) datasheet. Stage voltages are order-number lettering, not a single universal 115/230 switch. Confirm 0033.xxxx marking matches the transformer taps.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	SWZ1
Manufacturer	Schurter
Instrument Type	Voltage Selector Switch
Series	SWZ1 Frontpl
Alias	SWZ1; SWZ1 (Frontpl)
Number Of Stages	6
Connection Scheme	series-parallel
Mounting	panel mount front side
Attachment	screw-on mounting
Terminal	solder
Ratings IEC	6.3 A / 250 VAC; 50 Hz
Ratings UL	10 A / 250 VAC; 60 Hz
Ratings CSA	6.3 A / 250 VAC; 60 Hz
Lifetime	300 operating cycles without load
Degree Of Protection	IP40
Protection Class	suitable for appliances protection class II per IEC 61140
Allowable Operation Temperature	-40 C to 85 C
Climatic Category	25/85/21 per IEC 60068-1
Socket Material	thermoplastic, black, UL 94V-0
Weight	12.4 g
Solderability	350 C / 2 s per IEC 60068-2-20 Test Ta method 2
Resistance To Soldering Heat	350 C / 10 s per IEC 60068-2-20 Test Tb method 2
Insulation Resistance	greater than 10000 MOhm (500 VDC; 1 min)
Contact Resistance	less than 10 mOhm at 20 mV
Dielectric Strength LN	greater than 2 kVAC between L-N (1 min; 50 Hz)
Dielectric Strength PE	greater than 4 kVAC between L/N-PE (1 min; 50 Hz)

PARAMETER	VALUE
Clearance Creepage LN	greater than 3 mm
Clearance Creepage PE	greater than 8 mm between L/N-PE
Vibration	IEC 60068-2-6 test Fc
Panel Thickness Max	4 mm
Dimension Body	47 mm class; bushing diameter 29.5 mm
PCB Alternative	SWZ2 Print
Example Order 0033.3501	stages 150 / 220 / 130 / 260 / 110 / 240 V lettering
Example Order 0033.3504	220 / 120 / 240 / 110 / 230 V class lettering
Example Order 0033.3560	127 / 220 / 115 / 240 / 110 / 230 V lettering
Standards	IEC 61058-2-5; UL 508; CSA C22.2 no. 55
Panel Hole	see SWZ1 datasheet 30 mm class cutout with 3.6 mm screw holes

Notes

Specs from Schurter SWZ1 (Frontpl) datasheet. Stage voltages are order-number lettering, not a single universal 115/230 switch. Confirm 0033.xxxx marking matches the transformer taps.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.