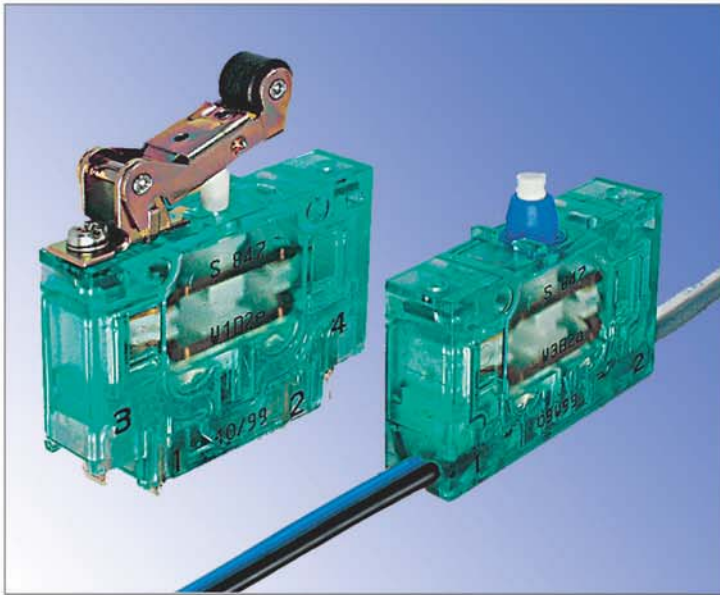


## S847 SERIES SNAP-ACTION SWITCHES



S847 Series snap-action switches

The S847 snap-action switch is available in 3 standards of ingress protection: IP40, IP60 (dustproof) IP67 (fully waterproof with integral terminal wires). The forced contact mechanism of these switches assures positive opening, even if an overload has caused stiction of the contacts or in the event of spring failure. A leading feature of this snap-action switch, is the fast change over time of the contacts and the fact that contact speed is independent of actuation speed.

Self cleaning contacts allow very low currents to be handled and at the other extreme, the switch has a permanent load capacity of 10 A.

Applications:-

- ▶ Train door controls
- ▶ Cam, operated devices
- ▶ Valve operated devices (particularly where very slow motion is involved)

### Features

- ▶ Performance in accordance with standards VDE 0660 part 200 (EN 60947-5-1)
- ▶ Long overtravel after positive opening operation
- ▶ Double Pole Double Throw (DPDT) contacts, galvanically isolated
- ▶ Failsafe mechanism
- ▶ Sealing option to IP67
- ▶ Precise actuation at very low speeds
- ▶ Self cleaning contacts
- ▶ Transparent case

### Technical Data

Series	S847		
Conv. therm.current $I_{th}$	10A (16A max.)		
Utilization category	AC 15 230 V AC / 1.0A DC 13 110 V DC / 0.5A		
Impulse withst. voltage $U_{imp}$	4kV	4kV	4 kV
Pollution degree	3	3	3
Protection degree	IP60	IP60	IP60
Actuator force	3 N	3 N	3 N
Actuator travel	4.9mm	4.9mm	4.9mm
Contact type	NO + NC		
Mechanical life	10 million op.	5 million op.	5 million op.
Temperature range	-40°C...+85°C	-40°C...+85°C	-20°C...+85°C
Dimensions	50 x 36 x 12 mm		
Weight	20 ... 40g		

# S847 ORDERING CODE

e.g.: **S847 W 2 D 2 a**

**Series**

**Contact configuration**

**W** NO + NC

**Degree of protection**

	Contacts	Terminals
<b>1</b>	IP 40	IP 00
<b>2</b>	IP 60	IP 00
<b>3</b>	IP 67	IP 67

**Terminal type**

- A** Screw-type
- B** Leads, attached at ends (standard)
- D** Flat tab 6.3 mm x 0.8 mm

**Contact material**

- 2** Hard silver (AgCu3F40)
- 4** Gold (AuNi3Ag26)

**Actuator options**

- a** Standard push-button
- b** Roller lever with fixing brackets
- e** Roller lever only

*Dimensions in mm*