

## S870 SERIES SNAP-ACTION SWITCHES



S870 Series snap-action switches

This version of the universally known V4 switch has a forced contact mechanism, in a see-through case. This affords, not only a failsafe action, but enables the condition of the inner mechanism to be viewed at all times. Self cleaning contacts in silver or gold, ensure a high level of dependability and safety, even in conditions of infrequent use.

Typical applications:-

- ▶ Limit switch for use on machines, doors and plant-controls
- ▶ Auxiliary switch in e.g camshaft gears and command devices
- ▶ Electromechanical switch for automation tasks
- ▶ Safety switch in control units

### Features

- ▶ V4 Format
- ▶ Transparent Case
- ▶ Failsafe mechanism
- ▶ Sealing options to IP67
- ▶ Self cleaning contacts
- ▶ High vibration and shock resistance
- ▶ Performance in accordance with VDE 0660 part 200 (EN 60947-5-1, IEC 947-5-1)

### Technical Data

Series	S870		
Conv. therm.current $I_{th}$	10A		
Utilization category	AC 15 230 V AC / 1.5A DC 13 60 V DC / 0.5A		
Impulse withst. voltage $U_{imp}$	4kV	4kV	4 kV
Pollution degree	3	3	3
Protection degree	IP40	IP60	IP67
Actuator force	2.4 N	3 N	3 N
Actuator travel	3.0mm	3.0mm	3.0mm
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	30 x 16 x 10.5 mm		
Weight	10g		

## S870 ORDERING CODE

Example: **S870 W 1 D 1 a**

Series Designation \_\_\_\_\_

Contact Configuration \_\_\_\_\_

W	changeover
O	NC contact
S	NO contacts

Protection \_\_\_\_\_

	contacts	terminals
1	IP40	IP00
2	IP60	IP00
3	IP67	IP67

Terminals \_\_\_\_\_

B	fly leads, lateral, length: 500mm
D	faston, 6.3 x 0.8mm
F	printed circuit connection
L	cable, sealed in, length: 500mm

Contact material \_\_\_\_\_

1	Ag90 Ni10
4	Au Ni3 Ag26

Actuator \_\_\_\_\_

a	standard button (without actuator)
k	flat lever short
l	flat lever long
m	flat lever medium
r	roller lever
t	roller lever short
u	cam lever