

SNAP ACTION SWITCH TYPE SAS-04 and SAS-05

SAS 04



Article No.

680400

SAS 05



Article No.

680500

SAS 04 and 05 snap-action switches have one NO and one NC contacts. The change of the switching position is realized by the mechanism, which ensures rapid switching and gives the possibility for switching of high currents. The electric circuit interrupts by double break. The snap-action switches are in the procession of a mechanism, which in case of short-circuit breaks forced the welded normally closed contact. The contact system is placed in a small design made of transparent light blue plastic material with high electrical and mechanical characteristics.

TYPE CHARACTERISTIC

type / contact system

SAS / 1N.O. and (or) 1N.C. ; 1 contact bridge

**protection of terminals/
material of the actuator**

04 IP 00 / metal actuator
05 IP 00 /metal actuator

SAS xx x xx

actuation force

- standard - 3N
3,5 strengthened - 3,5N
9 stronger - 9N

mounting

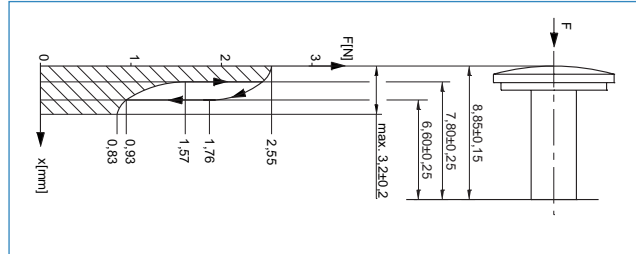
- without rivet, mounting hole 4,3 mm
r with rivet, mounting hole 3,2 mm (only for SAS 05)

TECHNICAL DATA	SAS 04, SAS 05
Contact configuration	1N.O. and (or) 1N.C. 1 contact bridge
Rated impulse withstand voltage U_{imp} , kV	4
Contact material	Silver (Ag)
Conventional thermal current I_t , A	16
Rated insulation voltage U_i , V	400
NC Contact force, N	0.70
Actuation travel, mm	2.25
Actuation force, N	3
Actuation speed, mm/s	> 1
Mechanical life, cycles	10^7
Wire connecting type, mm ²	multicore - 1,5 ÷ 2,5
Max.number of wires for one terminal, pc.	2
Protection degree (EN 60529)	contact system - IP 40 terminals - IP 00
Casing material	transparent polycarbonate
Sea level	up to 2000 m
Operating conditions	normal fire hazard
Ambient temperature	- 40 °C ÷ + 85 °C
Weight, g	20-30

BREAKING CAPACITY at:

Value	Symbol	Measure	DC				AC	
			DC - 13				AC - 1	AC - 15
Rated operating voltage	Ue	V	12	24	40	110	230	
Rated operating current	Ie	A	8	4	2.5	1	10	1.6
Breaking capacity	cycles	pcs.	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	

ACTUATION FORCE
RELEASE FORCE



TECHNICAL DATA FOR CONTACT SYSTEM

Actuation position	SAS-04 ; SAS-05
	Dimension "x"
Free position	13.35 mm ± 0.15 mm
Operating position	11.10 mm ± 0.25mm
Release position	12.30 mm ± 0.25 mm
Total travel position	10.15 mm ± 0.15 mm

OVERALL AND CONNECTING DIMENSIONS

