

SUB-SUBMINIATURE MICROSWITCHES - SEALED

V5S - 8320

- › High precision flexible leaf snap-action mechanism
- › Operation without balance-point, even at extremely slow actuating speed
- › Very small size
- › Extra-long plunger stroke: 2 mm overtravel to absorb dispersions in application
- › Suitable for lateral approach from any direction with angle up to 45°
- › Excellent resistance to harsh environments - IP67/IP69 protection
- › Ratings from 1 mA 4 V_{DC} to 4 A 250 V_{AC}
- › Long mechanical life
- › Various terminal types and pre-wired models - Choice of flexible actuators

Main specifications

		Standard 83200	Low current 83201
Function	Connections / Locating pins		
I (changeover)	X1 / none	83200003	83201003
I (changeover)	X1 / CAV, CAR, LAV, LAR, 4C, 4L	●	●
I (changeover)	X1L / none	83200004	83201004
I (changeover)	X1L / CAV, CAR, LAV, LAR, 4C, 4L	●	●
I (changeover)	X2 / CAR	83200005	83201005
I (changeover)	X2 / LAR	83200023	83201023
I (changeover)	X2 / none, CAV, LAV, 4C, 4L	●	●
I (changeover)	X3 / CAV	83200006	83201006
I (changeover)	X3 / LAV	83200024	83201024
I (changeover)	X3 / none, CAR, LAR, 4C, 4L	●	●
I (changeover)	W2 / LAV	83200034	83201034
I (changeover)	W2 / 4C	83200035	83201035
I (changeover)	W2 / none, CAV, CAR, LAR, 4L	●	●
I (changeover)	W2ST / none, CAV, CAR, LAV, LAR, 4C, 4L	●	●
I (changeover)	FB0 / CAR	83200051	83201051
I (changeover)	FG0 / 4L	83200063	83201063
I (changeover)	FD0 / none	83200071	83201071
I (changeover)	FB0, FG0, FD0 / none, CAV, CAR, LAV, LAR, 4C, 4L	●	●
R (Normally closed)	FB0, FG0, FD0 / none, CAV, CAR, LAV, LAR, 4C, 4L	83202*	83203*
C (Normally open)	FB0, FG0, FD0 / none, CAV, CAR, LAV, LAR, 4C, 4L	83204*	83205*
Electrical characteristics			
Rating nominal / 250 V AC (A)		4	-
Operating range / 4 → 14 V AC/DC (A)		-	0.001 → 0.05
Rating thermal / 250 V AC (A)		5	0.1
Mechanical characteristics			
Max. operating force (N)		1.5	1.5
Min. Release force (N)		0.2	0.15
Max. total travel force (N)		2.5	2.5
Max. Allowable overtravel force (N)		10	10
Max. rest position (mm)		11.1	11.1
Operating position (mm)		10.5 ^{+0,2}	10.5 ^{+0,2}
Max. differential travel (mm)		0.15	0.2
Min. overtravel (mm)		2	2
Ambient operating temperature (°C)		-40 → +90	-40 → +90
Mechanical life (operations)		10 ⁶	10 ⁶
Contact gap (mm)		0.3	0.6
Weight (g) (terminal versions)		0.75	0.75

* Please contact us

Additional characteristics

- Cover: PARA GF
- Base: PA66 GF (UL 94-V0 / GWFI 960 °C)
- Button: POM
- Membrane: silicone rubber
- Moving blade: silver-plated beryllium copper
- Contacts: silver alloy
- Terminals: silver-plated brass
- Wire leads: copper, PVC insulated
- Levers: stainless steel
- Degree of protection: IP67/IP69 (mechanism and wire output)
- Protection against electric shock: button and actuators have reinforced insulation for U_i 250V / U_{imp} 2,5kV / pollution 2
- Recommended min actuating speed: 0.001 mm/s

Standard product

Product made to order

● Contact us