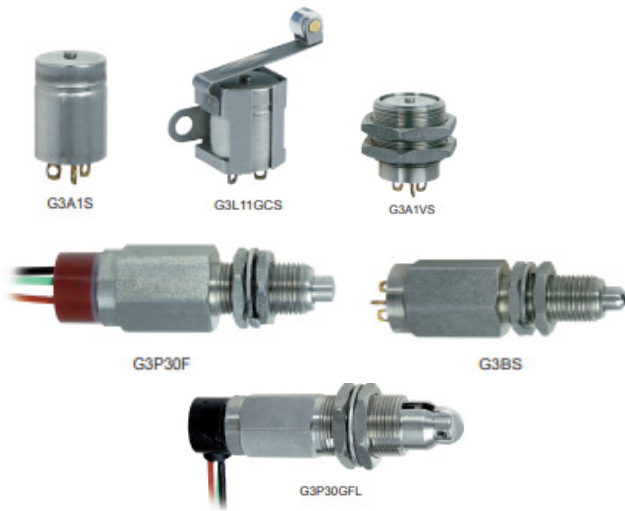




G3 range

Hermetically sealed Microswitches



-> Sensitive, encapsulated snap-action switch

-> Stainless steel casing

-> Inert gas filled switching chamber

-> Gold plated silver contact

-> Mounting holes for M2 screws

-> Terminals:

- solder terminals

- 0.38mm² (AWG 22) leadwires, FEP insulation, axial or side outputs

Application:

- Operating temperature: -55°C to +150°C
- Rated breaking capacity: from few mA up to 5A (depending on voltage and electrical load type)
- Mechanical service life: 200 000 cycles

Environmental characteristics:

- Salt spray resistance: 96h
- Humidity: 93% relative humidity, +40°C duration 1000h
- Mechanical shocks resistance: 100g - duration 6ms (pulse shape = 1/2 sine) 18 shocks (3/direction, both of 3 orthogonal axis)
- Sinusoidal vibrations resistance: 10_2000Hz, 50g in each of 3 orthogonal axis
- Random vibrations: 10_2000Hz, 0.30g²/Hz in each of 3 orthogonal axis

Approvals and Compliance to Standards:

French Air Ministry Approval as per letter 44.047/STPA/CIN1/6 dated 7 October 1983.

Approval according to standards: AIR 8459, NF C 93-415.

AIR equipment sheets No 6.552.206.

Main compliance or performance equivalences with MIL-PRF-8805 standard requirements.

Mechanical characteristics:

- Max. operating force: 10 to 15N
- Min. release force: 1.5 to 2.0N
- Pretravel: 0.12 to 0.6mm
- Max differential movement: 0.05 to 0.08mm
- Min. overtravel: 0.08 to 3mm
- Max full overtravel authorised force: 25 to 60N

Electrical characteristics:

Ratings (electrical load on one throw only)	30 ... 48 V d.c.	6 V d.c.	220 V a.c. - 50 Hz
- resistive load	A 5 A	10 mA	2 A
- inductive load	A 1.5 A (L/R ≤ 5 ms)	-	1 A (Cos φ ≥ 0.5)
Electrical service life	cycles 200 000	200 000	100 000
	U = 30 V d.c. for "AIR" approval	out of "AIR" approval	out of "AIR" approval
Min. switched current	mA 5	5	5
Changeover time	ms ≤ 10	≤ 10	≤ 10
Contact resistance	mΩ ≤ 25 mΩ under 6 V d.c. - 100 mA	According to MIL-PRF-8805	(As new, wires or cable not included)
Dielectric strength (50 Hz - 1 mn)			
- between terminals	V a.c. 500		
- between all terminals and earth (ground)	V a.c. 1500		
Insulation resistance	MΩ ≥ 100 MΩ sous 500 V d.c. (at 23 °C with < 80 % relative humidity)		