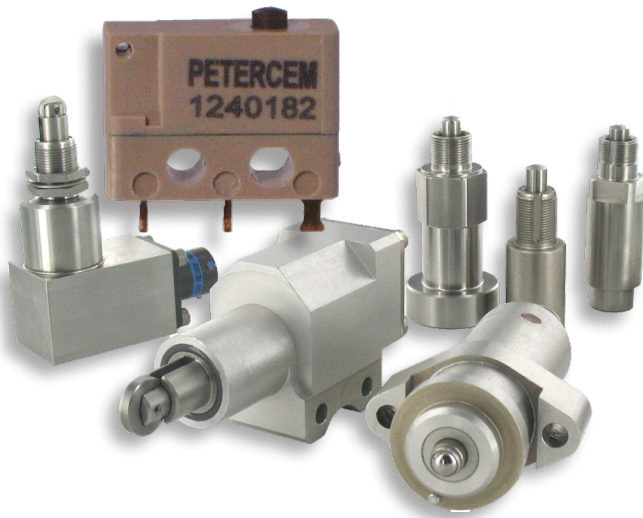
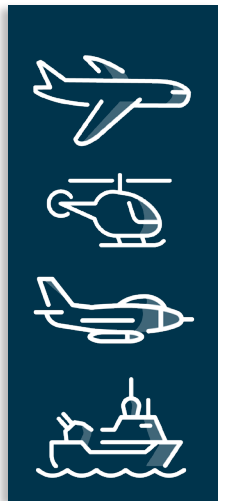




# SNAP-ACTION MICROSWITCHES

*Electromechanical switching solutions and Proximity Switches for harsh environments*



- Microswitches in sealed or hermetic versions
- Breaking capacity: from a few mA to 5A
- Operating temperature: -55° to +250°
- Resistance to salt spray, continuous humid heat
- Mechanical shock resistance
- Random and sinusoidal vibrations
- Mechanical endurance : 200,000 cycles
- DIN41635 compliant dimensions - Size D

## Approvals and compliance (depending on range) :

- Ministry of Air : AIR 8459 / NF C 93-415
- Compliance / equivalence: MIL-S-8805, DO160, EN9100
- Variants for space applications
- Manufacture code : F0647

Note :  
The values given below  
are typical values for basic  
devices



Types	Z3	Z3-E	T3	G3	H
Operating temperature	-55 ... +150 °C -40 ... +85 °C	-55 ... +150 °C -40 ... +85 °C	-55 ... +150 °C	-55 ... +150 °C	-55... +85°C -55... +150°C
Protection class	IP40 IP54 <small>excluding connection</small>	P65 / IP67I	IP68	IP68	IP40
Case dimensions (WxHxD) mm	13 x 5 x 9.6	14 x 6 x 14.4	21.5 x 6.8 x 15	ø11 x 15.7	19.5 x 10 x 6.3
Mounting center distance	4.75 mm	4.75 mm	9.5 mm	–	9.5 mm
Mounting diameter	ø 2.1 mm	ø 2.1 mm	ø 2.2 mm	–ø	ø 2.2 mm
Control force	≤ 2.5 N	≤ 3.3 N	≤ 6 N	≤ 10 N	≤ 2.5 N
Approach run	≤ 0.42 mm	≤ 0.42 mm	≤ 0.55 mm	≤ 0.25 mm	≤ 0.55 mm
Differential stroke	≤ 0.06 mm	≤ 0.06 mm	≤ 0.35 mm	≤ 0.05 mm	≤ 0.1mm
Breaking capacity depending on product and voltage under resistive load	10 mA ... 4 A	10 mA ... 4 A	10 mA ... 5 A	10 mA ... 5 A	0.2 A ou 4 A
Mechanical endurance	5 x 10 <sup>5</sup> cycles	5 x 10 <sup>5</sup> cycles	2 x 10 <sup>5</sup> cycles	2 x 10 <sup>5</sup> cycles	1 x 10 <sup>6</sup> cycles
Connection	Soldering terminals	Wires	Wires Soldering terminals	Wires Soldering terminals	Soldering terminals Forked PCB terminals «Radio»
Type of enclosure	Plastic material	Plastic material	Stainless steel	Stainless steel	Plastic material

PETERCEM is unique in Europe in the manufacture of hermetically sealed hour meters (qualified AERO/DEF)



	CM5200
Operating Temperature	-55... +125°C
Precision	± 1%
Recording capacity	999.9 standard hours
Qualification tests	MIL-STD-202, MIL-M-7793 NF C 42-310, NF C 20-700
Power consumption under 100mW	100 mW Maxi
Dielectric strength	500
Insulation resistance	≥ 1000mΩ under 500 Vdc
Voltage	10... 34 Vdc
Salt Spray	96 hours
Humidity	93% relative humidity, +40°C over 1344 hours
Mechanical shock resistance	100g - for 6ms 18 shocks
Sinusoidal vibrations	10_2000 Hz, 10g in each of the 3 orthogonal axes
Vibrations	40g - for 6ms 6000 vibrations

**PETERCEM designs, develops and produces your detection solutions according to your specifications.**



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Non-contractual texts and images  
(May 2023)