



**NICOMATIC France is certified ISO 9001 : 2000**

# NICOMATIC METAL DOMES



## Mechanical Properties / Key Specifications / Special Features

**Country of origin:** France

**Material:**

- Stainless steel with nickel plating (**STANDARD**)
- Stainless steel with one-sided gold plating
- Material plating option : Ag plating (one side) 0.5µm minimum or Au plating (one side) 0.1µm minimum or silver plating

**Dimensions and shapes:**

- Diameter: 4 mm - 12.2 mm
- Types : Circle, DR (4 mm, 5mm with and without dimple) and square with SWITCH'AIR™ notch (6mm, 8.4mm and 12.2mm 4-legged metal domes with and without dimple)
- Trip force range: 100-420g
- Click ratio range:30-70% (circle) / 40-70% (square)
- Travel:0.15-0.70 mm
- Height:0.20-0.80 mm
- Dimensional stability: +/-0.02mm

**Life expectancy:**

- Minimum 1,000,000 cycles and up to 5,000,000

**Temperatures:**

- Operating condition: -40°to +105°degrees celsius
- Storage condition: -55°to +125°degrees celsius
- Humidity: 0-97% (no condensation)

**Electrical:**

- Contact Bounce (on): <0.1ms
- Contact Resistance: <100 mohms
- Switching / working voltage : 0.1 to 100 V Dc
- Switching current : 0.005 to 100 ma Dc
- Switching capacity : 1 Watt

**Packaging:**

- In bulk (loose domes in plastic bags of 25,000 or 50,000 pieces) – **concerns all domes**
- In tube (packed by 800 domes in plastic tubes that offer the best possible traceability per batch number and tolerances ratio – **concerns 4-legged domes**
- On custom made arrays (as per your application) – **concerns all domes**
- On Tape & Reel (packed per 4 000 or 5 000 domes) – **concerns 8.4mm and 12.2mm domes**