



83589 Top-mounted plunger Part number 83589031



- Press button protected by O-ring and scraper seal

Part numbers

	Type	Housing	Features
83 589 031	Top-mounted plunger	Thermoplastic	Standard

Specifications

Conformity to standards	NFC 20030 class I (the plunger is operated manually by an earthed metal part, or by an insulated part which provides additional insulation).
Version	Single-pole
Protection	IP66 resistant to hydrocarbons and saline mist (400 hours)

Electrical characteristics

Electrical endurance	Standard : 8 A 250 VAC : 30,000 operations 200 mA 24 V DC relay load L / R = 3 ms 10^7 operations Dual-current : 1 mA 4 VAC : 10^7 operations 200 mA 24 V DC relay load L / R = 3 ms 5×10^6 operations 5 A 250 VAC : 30,000 operations
Dual-current	This version is designed to operate both on dual-current (1 mA 4 V minimum) and medium-current (5A) circuits. However, a given product should only be used to switch one type of circuit during its working life.

Connections

Cable	PVC Ø5 - 3 x 0.75 mm ² Length 0.50 m Conforming to NFR 13414/13415
Mounting	Max. tightening torque 9 Nm

Mechanical characteristics

Minimum operating force (N)	10
Minimum total travel force (N)	15
Minimum operating travel (mm)	2
Differential travel (mm)	0,1
Maximum total travel (mm)	4,5
Mechanical life (millions of operations) mini.	10^7
Operating temperature (°C)	-40 → +85
Protection rating	IP66/67
Weight (g)	80

Additional characteristics

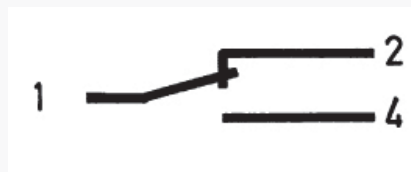
Material

- Case : Thermoplastic polyester
- Plunger : Stainless steel
- Contact : Agcdo - AgNi (gold-plated)
- Nuts : Galvanized steel

Sealing

- O-ring : Silicon
- Scraper seal : Teflon
PU resin

Principles



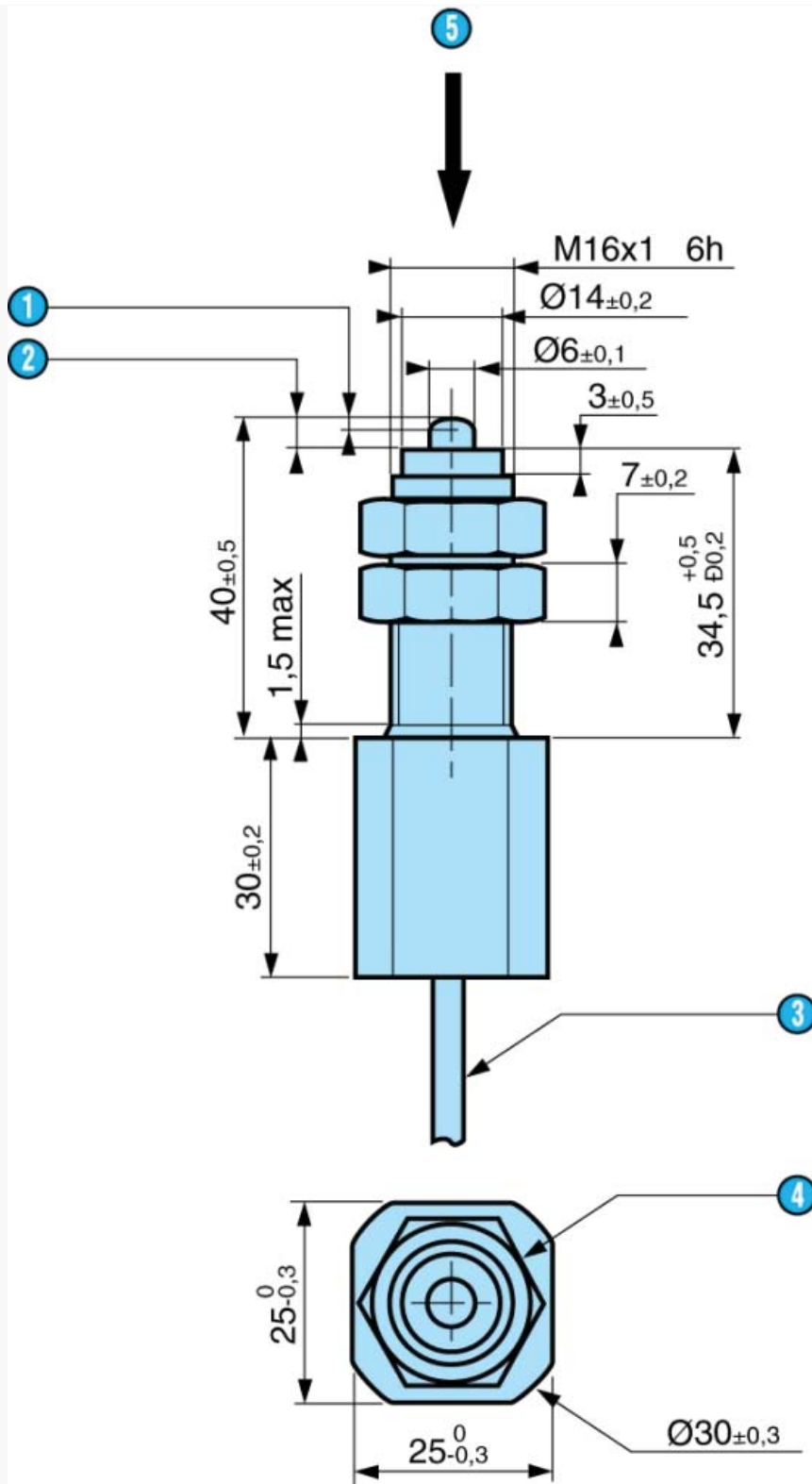
Function

Single break two-way contact element (form C : changeover)

N°	Legend
①	Black (common)
②	Grey (NC)
④	Blue (NO)

Dimensions (mm)

Product



N°	Legend
1	Operating travel
2	Total travel
3	Cable $\text{Ø}5 - 3 \times 0,75 \text{ mm}^2$ Length 0.50 m
4	21 across flats
5	Direction of operation