

## 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<br>200 mA 24 V DC relay load L / R = 3 ms 10 <sup>7</sup> operations<br>Dual-current : 1 mA 4 VAC : 10 <sup>7</sup> operations<br>200 mA 24 V DC relay load L / R = 3 ms 5 x 10 <sup>6</sup> operations<br>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 <sup>2</sup><br>Length 0.50 m<br>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 <sup>7</sup> |
| 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

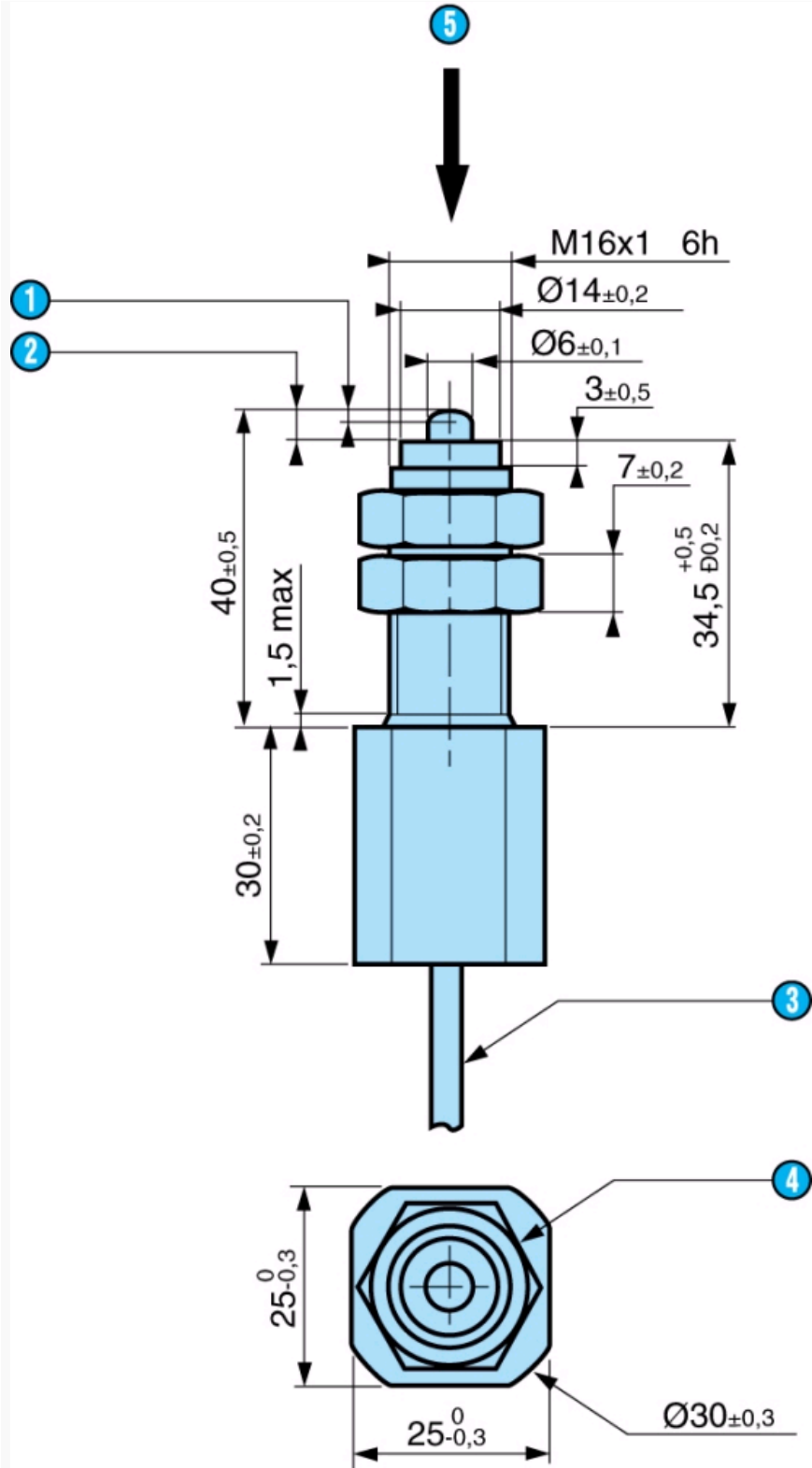


**Function**  
Single break two-way contact element (form C : changeover)

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

Dimensions (mm)

Product



| N° | Legend   |
|----|--|
| 1  | Operating travel                                     |
| 2  | Total travel   |
| 3  | Cable Ø5 - 3 x 0.75 mm <sup>2</sup><br>Length 0.50 m |
| 4  | 21 across flats                                      |
| 5  | Direction of operation                               |