

83581 Plunger with axial roller Part number 835811



- Compact dimensions
- Contact element : IP67

Part numbers

| | Type | Features | Function |
|----------|---------------------------|----------|----------------|
| 83 581 1 | Plunger with axial roller | Standard | I (Changeover) |

Specifications

| | |
|--------------------------------|---|
| Conformity to standards | NFC 20030 class II |
| Degree of protection IEC 60529 | Outer casing : IP57 Contact element : IP67 |

Electrical characteristics

| | |
|--|---|
| Assigned operating current (Ie) | Standard : 8 A - 250 VAC Bi-niveau : 0,1 A - 250 VAC |
| Electrical endurance - Standard (operations) | 8 A - 250 VAC : 40000 5 A - 250 VAC : 100000 |
| Electrical endurance - 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

| | |
|------------|--|
| Connection | Flexible leads : PVC 3x1 mm ² - Length 0.50 m - ext. Ø 2 mm (on the right or left) Cable : 3x0.75 mm ² - Length 0.50 m - ext. Ø 5 mm (on left only) |
|------------|--|

Mechanical characteristics

| | |
|--------------------------------|-----------------|
| Minimum operating force (N) | 5 |
| Minimum total travel force (N) | 20 |
| Differential travel (mm) | 1 |
| Minimum operating travel mm | 2.5 |
| Maximum total travel (mm) | 5 |
| Mechanical life (operations) | 10 ⁵ |
| Operating temperature (°C) | -20 → +85 |
| Weight (g) | 45 |

Connections

| | |
|----------------------|---|
| Wire output on right | D |
| Wire output on left | G |
| Cable output | C |

Principles



Function

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

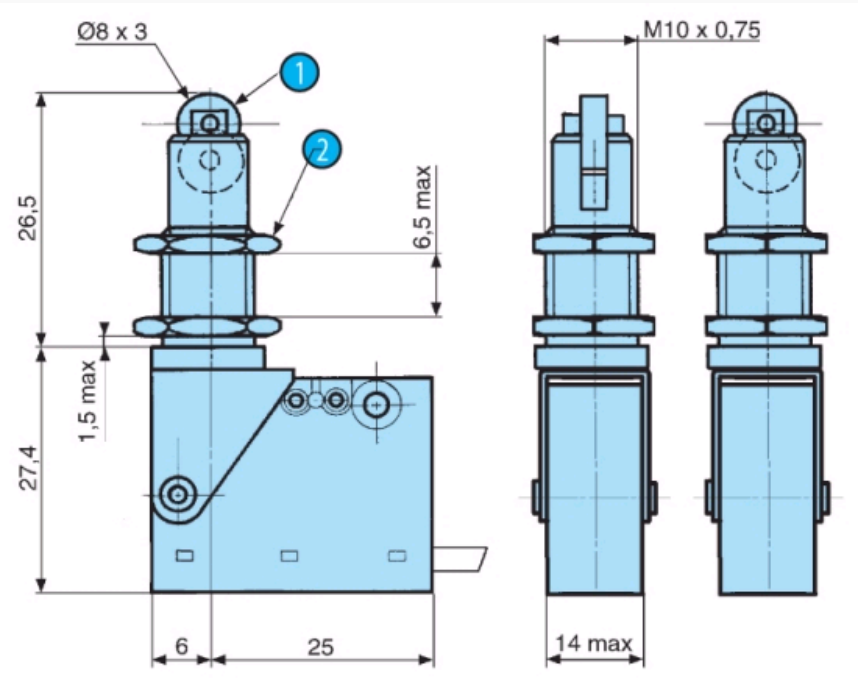
| N° | Legend |
|----|--------|
|----|--------|

| | |
|---|----------------|
| ❶ | Black (common) |
| ❷ | Brown (NC) |
| ❸ | Blue (NO) |

Dimensions (mm)

Product

83 581 1 / 83 581 9



| N° | Legend |
|----|---|
| ❶ | Roller is straight (standard) or at 90° |
| ❷ | Nut 14 across flats Thickness 2 |

Product adaptations



- Length of cable/connector
- Approvals

Mouser Electronics

Authorized Distributor

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Crouzet:

[835811BCC.5](#) [835811SCC.5](#) [835811SCR.5](#)