

Miniature limit switch

→ Series 83 800 with plug-in body

- Thermoplastic case
- Compact dimensions



Main specifications

		Top-mounted plunger	Top-mounted plunger with roller, threaded barrel	Rotary head, momentary action to right and left
Housing	Features	83 800 101	83 802 001	83 803 001
Thermoplastic	Plug-in body			
General characteristics				
Minimum operating force (N)		10	10	7
Minimum total travel force (N)		22	22	18
Minimum operating travel (mm)		1.5	1.5	15
Differential travel (mm)		0.4	0.4	6
Maximum total travel (mm)		5	5	60
Mechanical life (millions of operations) mini.		10 ⁷	10 ⁷	10 ⁷
Operating temperature (°C)		-10 → +70	-20 → +70	-20 → +70
Protection rating		IP65	IP55	IP55
Weight (g)		50	57	60

General characteristics

Conformity to standards	NFC 20030 class I IEC 356.1 - EN 60204.1
Protection	Single-pole

Electrical characteristics

Assigned insulation voltage (Ui) V	250
Thermal current (Ith) A	10
Assigned operating current (Ie)	5

Connections

Cable	On connector : W1 screw terminals - max. wire cross-section 2.5 mm²
Connection	For No. 9 sealing gland, 15.2 Ø, 1.411 pitch
Approvals	UL/CSA please consult us

Principles

Function

Four-terminal double break two-way contact element (form Za). The contacts must be of the same polarity.

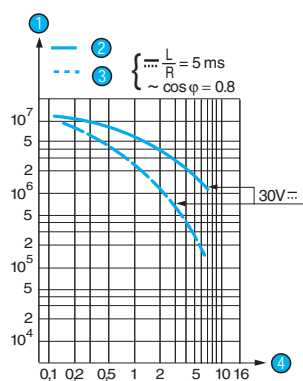
A - For 83 803



B - Other types



Curves

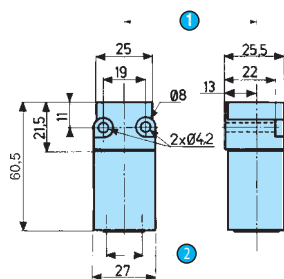


- ① Number of operations
- ② Resistive circuit
- ③ Inductive circuit
- ④ Current in Amps

Dimensions

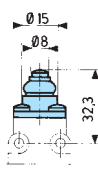
→ Product

Casing

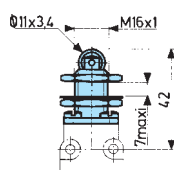


- ① Axis of head rotation
- ② For No. 9 sealing gland

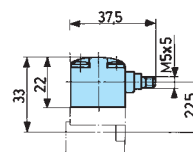
83 800 1



83 802

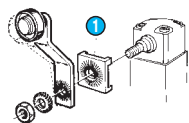
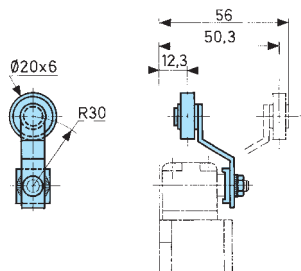


83 803



→ Mounting accessories

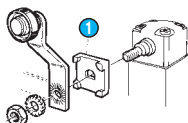
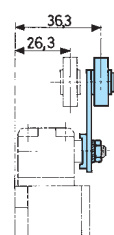
79 210 997 (for 83 803)



① Block 1

Lever settings or positions dictated by direction in which block 1 is fitted

79 210 998 (for 83 803)



① Block 1

Other information

Accessories for 83 803

Galvanized, passivated steel lever

Thermoplastic roller

Supplied with nut, washer and locating block loose