

83870 with low level cable or connector output Roller plunger - metal with threaded barrel Part number 83872301


- IP 66/67
- Metal case
- UL approval
- Reduced differential travel
- Reduced pre-travel (83 873 only)

Part numbers

	Type	Characteristics	Type of output
83 872 301	Roller plunger - metal with threaded barrel	Standard	Cable 1 m long

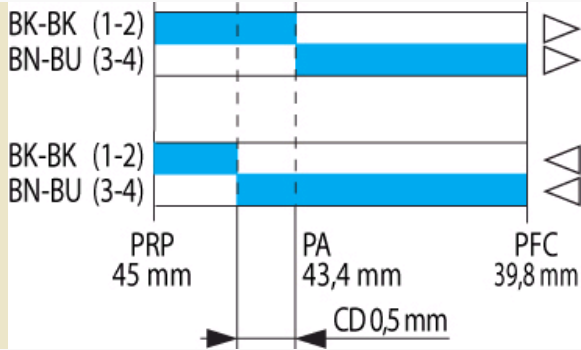
Specifications

Conformity to standards	
Protection against electric shocks	
Degree of protection IEC 60529	
Degree of protection according to NEMA 250	

Electrical characteristics

Connection	
Operating temperature (°C)	-25 → +70 °C
Assigned impulse voltage (Uimp) - V	2500
Assigned insulation voltage Ui (V)	250
Operating voltage	4 to 30 V
Operating current	1 to 100 mA
Resistance (Ω)	≤ 100 mΩ
Electrical protection	Integral earth wire Short-circuit protection device : IEC/EN 60947-5-1 Fuse 6 AgG
Approvals	UL 508, 30 VAC/DC : 0,14

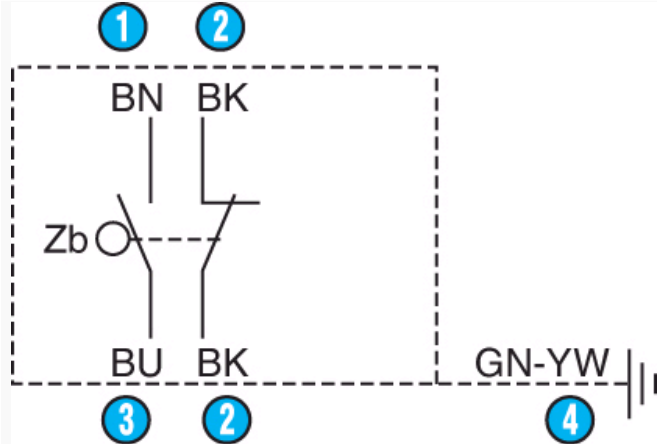
Mechanical characteristics

Sequence Snap action	
Minimum operating force (N)	10
Minimum total travel force (N)	30
Min. positive opening travel (N)	28
Mechanical life (millions of operations)	10
Vertical approach speed	1 mm/min → 0,5 m/s
Horizontal approach speed (30° cam)	1 mm/min → 0,3 m/s
Weight (g)	200

Comments

Cable : BK-BK/BN-BU
 Connector : (1-2) / (3-4)

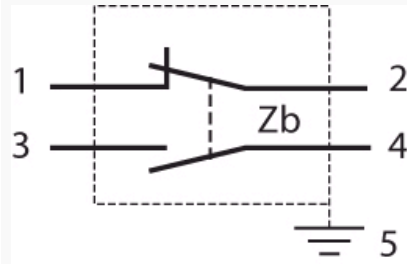
Principles



Function
Four-terminal double break two-way contact element (form Zb). The 2 moving contacts are electrically isolated from one another.

N°	Legend
1	Brown
2	Black
3	Blue
4	Green-yellow

Principles

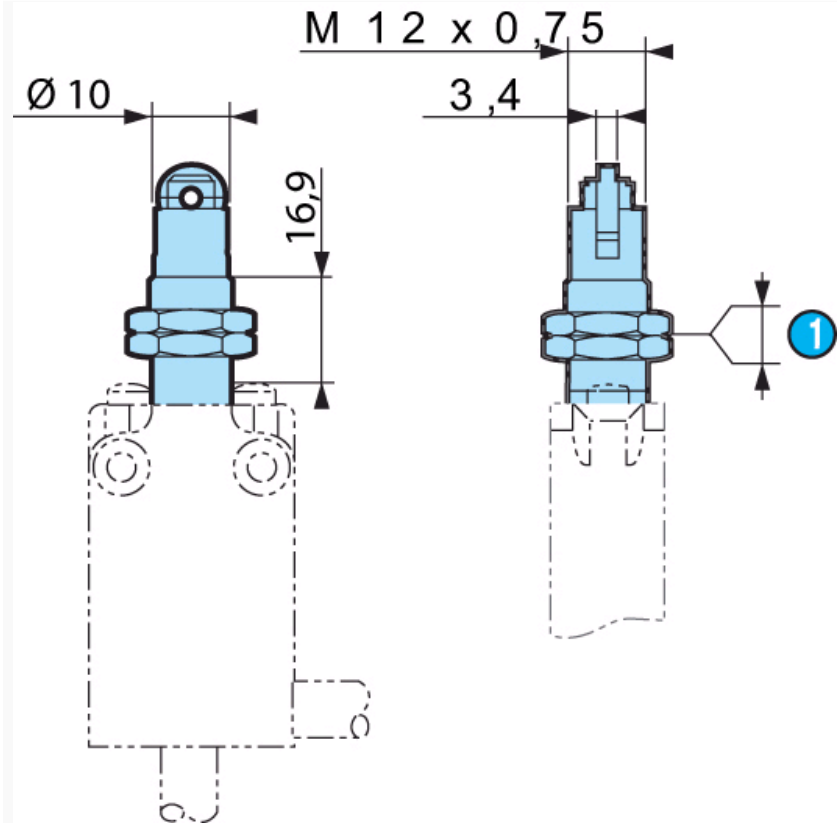


Function
Four-terminal double break two-way contact element (form Zb). The 2 moving contacts are electrically isolated from one another.

Dimensions (mm)

Product

83 872 3



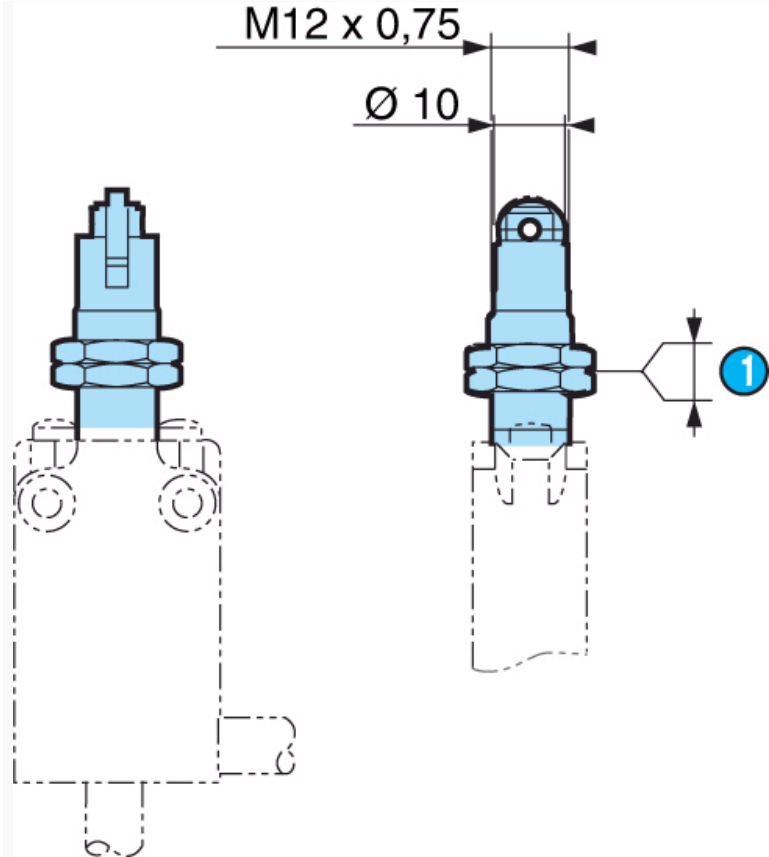
83 872 0

N°	Legend
1	Max.tightening thickness 10.5

Dimensions (mm)

Product

83 876 3



83 876 0

N°	Legend
1	Max.tightening thickness 8.5

Other information

For other accessories and special contacts, or special modes of operation : please consult us.

Product adaptations



- Contact type
- Rear output
- Protective scraper seal
- Length of cable/connector/stripping