

Sealed

→ 83 123

- IP 66 protection
- Compact dimensions



Main specifications

		Standard 83 123 0	Spherical cover 83 123 0
Function	Connections		
I (changeover)	A05 VVF cable		
Electrical characteristics			
Rating nominal / 250 V AC (A)		5	5
Rating thermal / 250 V AC (A)		12	12
Mechanical characteristics			
Maximum operating force (N)		7.5	7.5
Min. Release force (N)		1.5	1.5
Maximum total travel force (N)		8	8
Max. permitted overtravel force (N)		30	30
Tripping point (mm)		11.4 \pm 0.4	16.5 \pm 0.5
Maximum differential travel (mm)		0.2	0.25
Min. overtravel (mm)		0.25	0.2
Ambient operating temperature (°C)		0 → +85	0 → +85
Mechanical life (operations)		2 x 10 ⁶	2 x 10 ⁶
Contact gap (mm)		0.5	0.5
Weight (g)		45	50
Connections			
Connection		Cable 3 x 0.75 mm ² in sheath Ø ext. 7.6 mm max. Standard length 0.50 m	Cable 3 x 0.75 mm ² in sheath Ø ext. 7.6 mm max. Standard length 0.50 m
Comments			
Common (1) : black Normally closed (2) : brown Normally open (4) : grey			

Additional specifications

Components

Material

- Casing : nitrile
- Contacts : silver
- Contact holder : polyamide
- Mounting plate : passivated mild steel (zinc)

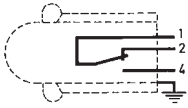
Product adaptations



- Special casing, leads, cables for specific environment

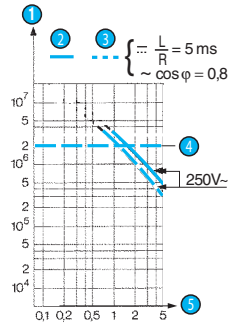
Principles

Double break changeover switch



Curves

Operating curve

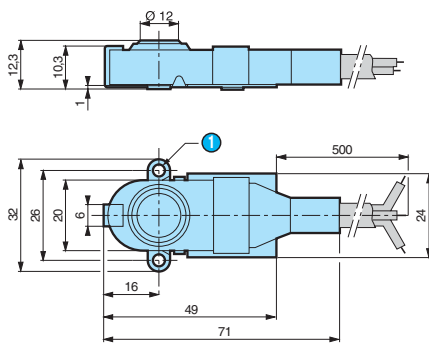


- ① Number of cycles
- ② Resistive circuit
- ③ Inductive circuit
- ④ Mechanical life limit
- ⑤ Current in Amps

Dimensions

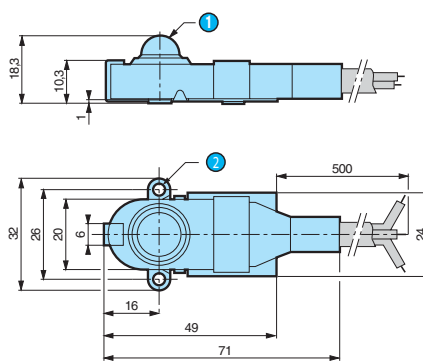
→ Product

83 123 Standard



- ① 2 holes Ø 3.2

83 123 Spherical cover



- ① R6 spherical
- ② 2 holes Ø 3.2

Other information

Mounting - Operation

In order to comply with basic safety requirements, an insulator must be used if the device is being operated manually. One of the fixing holes must be used as a protective earth.

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