Sealed		
▶ 83 123		
Low-profile casing IP66/IP67/IP69 protection Compact dimensions Pre-cabled output		
Main specifications	Standard 83 123 0	Spherical cover 83 123 0
Connections (changeover) H05 VVF cable	83 123 018	83 123 074
Electrical characteristics		03 123 074
Rating nominal / 250 V AC (A)	5	5
Rating thermal / 250 V AC (A)	12	12
lechanical characteristics		
faximum operating force (N)	7.5	7.5
/lin. Release force (N)	1.5	1.5
flaximum total travel force (N)	8	8
Aax. permitted overtravel force (N)	30	30
ripping point (mm)	11.4 ^{±0.4}	16.5 ^{±0.5}
Acceleration and the second of the second	0.2	0.25
	0.20	
/in. overtravel (mm)	0 → +85	$() \rightarrow \pm 85$
/lin. overtravel (mm) Ambient operating temperature (°C)	$0 \rightarrow +85$ 2×10^{6}	$0 \rightarrow +85$ 2×10^{6}
Aaximum differential travel (mm) Ain. overtravel (mm) Ambient operating temperature (°C) Aechanical life (operations) Contact gap (mm)	2 x 10 ⁶	2 x 10 ⁶
Min. overtravel (mm) Ambient operating temperature (°C) Mechanical life (operations) Contact gap (mm)		
Min. overtravel (mm) Ambient operating temperature (°C) Mechanical life (operations)	2 x 10 ⁶ 0.5	2 x 10 ⁶ 0.5

Common (1) : black Normally closed (2) : brown Normally open (4) : grey

Additional specifications

Components

Material Casing : nitrile (option: silicone)
Contacts : silver
Mounting plate : stainless steel

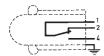
Product adaptations



- Special casing, leads, cables for specific environment
- -40 °C versions with silicone casing
- SPST NO or NC versions

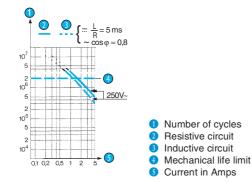
Principles

Single break changeover snap-action switch



Curves

Operating curve

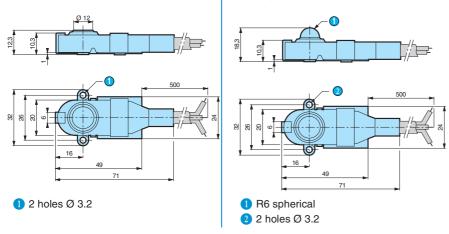


Dimensions

→ Product

83 123 Standard

83 123 Spherical cover



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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