

Sub-subminiatures

→ 83 228 0 / 83 229 0

- Very compact dimensions
- Flush-mounted or threaded barrel fixing
- Long mechanical life
- Short differential travel
- Operating temperature -55°C to +100°C



Main specifications

Function	Connections	Flush-mounting 83 228 0	Threaded barrel fixing 83 229 0
		83 228 0	83 229 0
I (changeover)	W2 solder		
Electrical characteristics			
Rating nominal / 250 V AC (A)		5	5
Rating thermal / 250 V AC (A)		10	10
Mechanical characteristics			
Maximum operating force (N)		1.7	1.7
Min. Release force (N)		0.4	0.4
Max. permitted overtravel force (N)		4.5	4.5
Maximum rest position (mm)		2.4	7
Tripping point (mm)		1.95 ^{±0.25}	6.55 ^{±0.25}
Differential travel (mm)		0.13 ^{±0.06}	0.13 ^{±0.06}
Min. overtravel (mm)		0.15	0.15
Ambient operating temperature (°C)		-55 → +100	-55 → +100
Mechanical life (operations)		2 x 10 ⁶	2 x 10 ⁶
Contact gap (mm)		0.15	0.15
Weight (g)		0.7	1.7
Comments			
This microswitch does not have a physical stop for the operating device and for this reason we advise users not to exceed the permitted overtravel if they wish the product to continue operating with no change to any of its characteristics.			

Additional specifications

Components

- Cover : PBT
- Base : PA

Material

- Contacts : gold-plated silver
- Threaded barrel : nickel brass (for 83 229)

Product adaptations



- Special contacts
- Specific fixing
- Approvals : UL/CSA

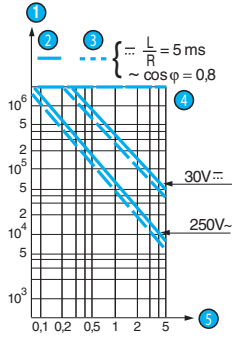
Principles

Single break changeover switch



Curves

Operating curve for types 83 228 0 - 83 229 0



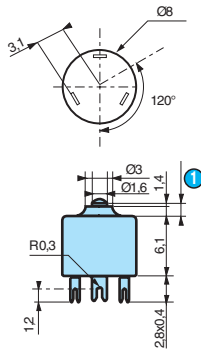
- ① Number of cycles
- ② Resistive circuit
- ③ Inductive circuit
- ④ Mechanical life limit
- ⑤ Current in Amps

These products are designed to operate equally well on dual-current (1 mA 4 V minimum) or medium-current circuits (5 A maximum) circuits. However, a given product should only be used to switch one type of circuit during its working life.

Dimensions

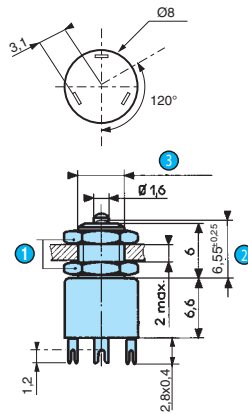
→ Product

83 228 0



- ① Tripping point $1.95^{+0.25}$

83 229 0



- ① 2 nuts 7
- ② Tripping point
- ③ M5 x 0.5 pitch

Other information

Mounting - Operation

See basic technical concepts