

Universal limit switches

→ 8384 Standard

→ 8384 With positive break operation

General characteristics

Conformity to standards	IEC / EN 60947-5-1, including Annex K for version with positive break operation
Version	Single-pole
Degree of protection IEC 60529	IP66
Connections	Saddle washer and screw M3.5
Wire max. cross-section	2 mm ²
Electrical protection	Internal earth terminal
Cable entry	3 entries for No. 13 sealing gland, 20.4 Ø, 1.411 pitch (supplied with 2 screw plugs)

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- Metal case
- 3 cables entries
- Heads have 4 possible positions at 90°
- All heads protected by nitrile boot and/or ring



Main specifications

	Steel plunger	Reinforced lever with plastic roller	Stepped adjustment roller lever
Housing			
Action			
Metal			
Snap action			
General characteristics			
Sequence			
Snap action			
	83 840 001	83 841 001	83 842 001
Mechanical characteristics			
Minimum operating force (N)	10	15	8
Minimum operating torque (N.m)	-	-	-
Minimum total travel force (N)	22	25	15
Minimum total travel torque (N.m)	-	-	-
Mechanical life (operations)	10 ⁷	10 ⁷	10 ⁷
Operating temperature (°C)	-10 → +70	-10 → +70	-10 → +70
Weight (g)	310	310	310
Comments	Accessories for 83 843 0 (see Dimensions - Accessories) Galvanized, passivated steel lever Thermoplastic roller Supplied with nut, washer and locating block loose		

General characteristics

Assigned impulse voltage (U _{imp}) V	4000
Assigned insulation voltage (U _i) V	500
Thermal current (I _{th}) A	10
Assigned working characteristics (EN 60 947.5.1)	A300 = AC15 240 V 3 A / 120 V 6 A Alternating current Q150 = DC13 125 V 0.55 A Direct current

Product adaptations



- -40 °C operating temperature (silicone version)
- Steel roller levers
- UL approval : consult us



Adjustable roller lever	Adjustable roller lever with idle-return	Rotary head, momentary action to right and left	Steel roller plunger	Flexible metal lever
83 842 101	83 842 201	83 843 001	83 845 001	83 846 001
8	8	-	10	1.5
-	-	0.2	-	-
15	15	-	22	2.5
-	-	0.33	-	-
10 ⁷	10 ⁷	-	10 ⁷	10 ⁷
-10 → +70	-10 → +70	-20 → +70	-10 → +70	-10 → +70
310	310	310	300	310

Principles

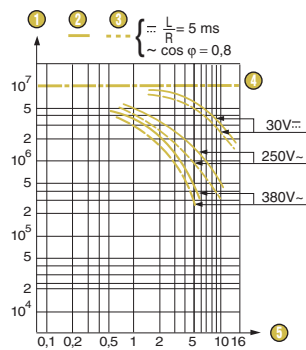
Function

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



Curves

Operating curve for standard version

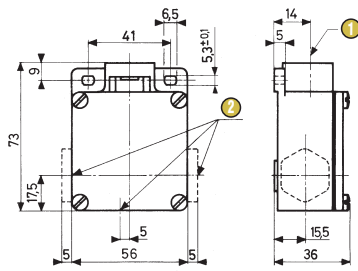


- ① Number of operations
- ② Resistive circuit
- ③ Inductive circuit
- ④ Mechanical life limit
- ⑤ Current in Amps

Dimensions

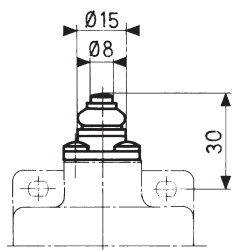
→ Product

Body

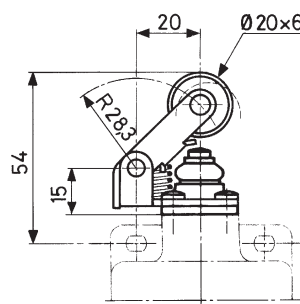


- 1 Axis of heads
- 2 No. 13 sealing gland

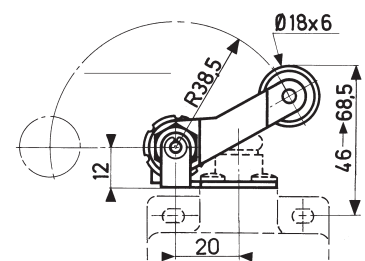
83 840 0



83 841 0

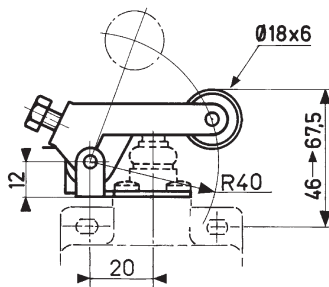


83 842 0

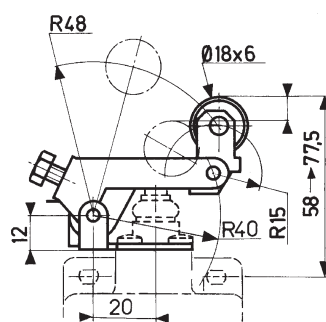


Adjustable in 8° steps

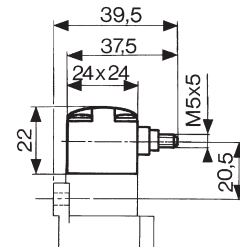
83 842 1



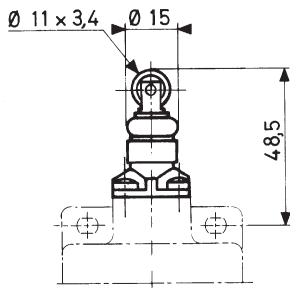
83 842 2



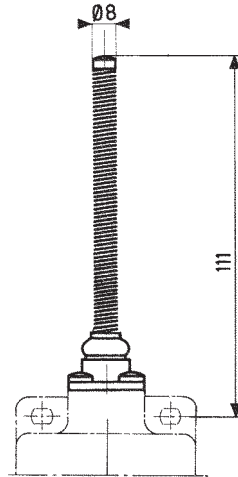
83 843 0



83 845 0

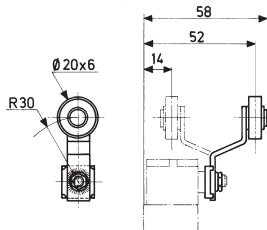


83 846 0

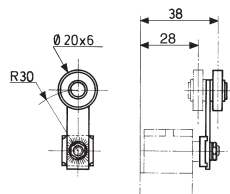


→ Accessories

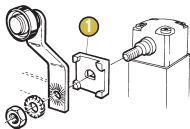
79 210 997 (for 83 843 0)



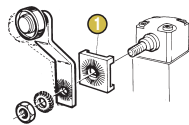
79 210 998 (for 83 843 0)



Lever angular settings



1 Block
Adjustable in 90° steps



1 Block turned
Adjustable in 6° steps

Warning:

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