



83118 Standard 831180 Part number 83118007



- Reduced actuation force
- Very short differential travel
- Choice of actuators

	Type	Function	Connections
83118007	Standard 831180	I (changeover)	W1
MADE TO ORDER	Standard 831180	I (changeover)	W2 - W3
CONTACT US	Reduced force 83118 S1	I (changeover)	W1
MADE TO ORDER	Reduced force 83118 S1	I (Changeover)	W3

Electrical characteristics

Rating nominal / 250 VAC (A)	5
Rating thermal / 250 VAC (A)	17,5
Mechanical characteristics	
Maximum operating force (N)	2,7
Min. Release force (N)	0,75
Operating position (mm)	16 \pm 0,3
Min. overtravel (mm)	0,2
Mechanical life (operations)	5x10 ⁶
Maximum total travel force (N)	4
Max. permitted overtravel force (N)	30
Rest position max. (mm)	16,7
Differential travel (mm)	0,03 \rightarrow -0,09
Ambient operating temperature (°C)	- 40 \rightarrow +125
Contact gap (mm)	0,5
Weight (g)	21

Additional specifications

Components

Material

- Case: thermoset UL94V0
- Contacts: pure silver

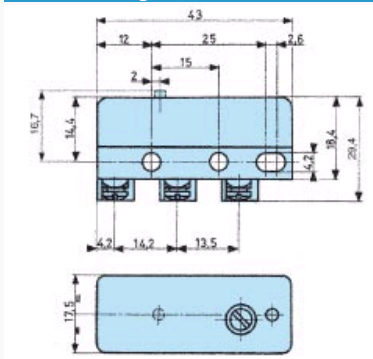
Lever

- Flexible stainless steel

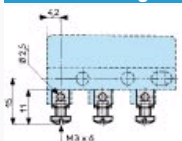
Other levers

- Passivated mild steel (zinc), self-retaining screws

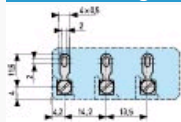
Dimension Diagram : 831180 / 83118 S1



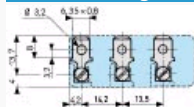
Dimension Diagram : W1 screw



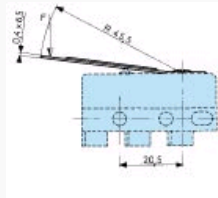
Dimension Diagram : W2 solder



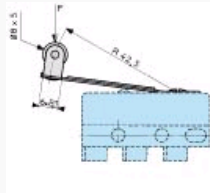
Dimension Diagram : W3 for 6.35 mm clips



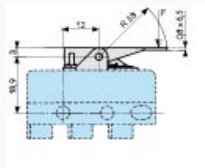
Dimension Diagram : 52A



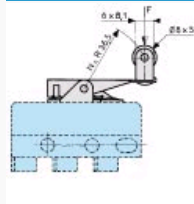
Dimension Diagram : 52B



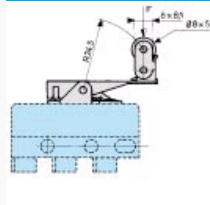
Dimension Diagram : 52M



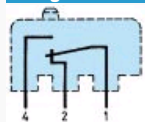
Dimension Diagram : 52N



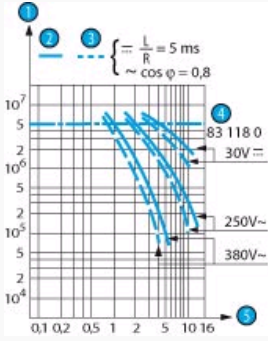
Dimension Diagram : 52V



: Single break changeover switch



Curves : Operating curve for types 831180 - 83118 S1



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

Part numbers for actuators

		52A R45.5	52B R42.5	52M R38	52N R36.5	52V R24.5	70 520 029
Flexible direct-acting actuators: 52A - 52B							
Hinged reverse-action actuators: 52M - 52N - 52V							
Operating force - max.	N	2.5	1.4	0.85	1.5	1.4	2.5
Release force - min.	N	0.8	0.55	0.27	0.4	0.4	0.6
Pre-travel - max.	mm	4.5		2		1.5	
Differential travel	mm	0.45 ±0.25		0.3 ±0.15		0.16 ±0.09	
Total travel max.	mm	7		10		5	

Special adaptations

- Special levers
- Special connections, temperatures
- Approvals: UL - cUL