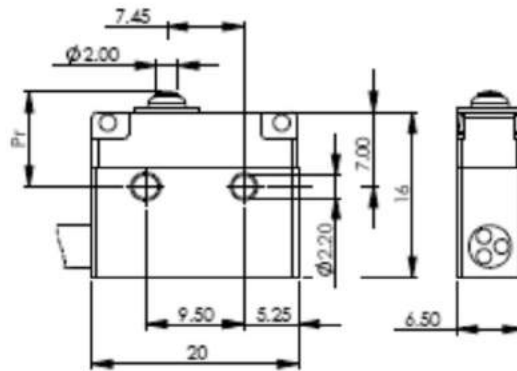




Standardized small dimension subminiature microswitch. The MP400 serie offers large possibilities of customisation and answers to all targeted inquiries, in terms of housing, connections or actuators. This serie enables you to build your switch with your own requirements.

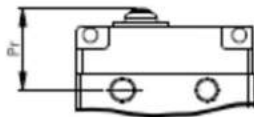
Descriptions

Approvals	EN 61058-1 Upon request: UL 61058-1
Housing	Glass fiber reinforced
Plunger	PES
Membrane	Fluorsilicone elastomer
Mechanism Contacts	Change-over, Snap action coil spring mechanism with stainless steel spring
Contact material	Fine Silver, Gold contact upon request
Termination	Cable or wires in standard and length to be defined PVC -20°C to 70°C SI -40°C to 105°C PUR -40°C to 90°C Other cable material and length upon request PTFE, RXL,...
Type of conductor	Flexible conductors Solder terminal with provisions for securing the conductor by mechanical means and providing circuit continuity by soldering
Cable outlet	Standard side of button Other side upon request
Actuator	Overall dimensions in stainless steel, flat lever , roller, simulated roller
Degree of protection	IP67
Class of protection	I 250V II / III 24V
Pollution degree	3
Proof tracking index PTI	250V
Rated Impulse Withstand Voltage	2.5 kV
Glow-wire temp.	850°C
Micro-disconnection	μ
Contact-gap	0.40 mm
Dimensions	DIN 41 635, form B 20 x 16 x 6.5 mm
Power rating UL / EN 61058 (Resistive Load)	5RA 250VAC 25'000 cycles 2RA 250VAC 50'000 cycles 0.1RA 24VDC 50'000 cycles
Operating range force	1.0 to 2.5 N, depending actuator
Operating temperature range	-40°C to 105°C
Mechanical life	10 x 10 ⁶



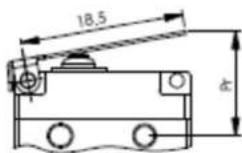
Standardised Actuator - Upon request other actuator

Type 0 : Pin plunger - without lever



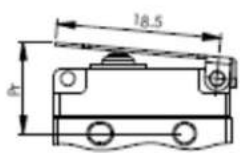
Actuating Force Fa max. (N)	2.5
Release Force Fr min (N)	0.5
Free Position Pr (mm)	9.3 ± 0.2
Operating Position Pa (mm)	9.0 ± 0.2
Over-travel sr min. (mm)	0.6
Differential movement sd max. (mm)	0.05

Type 7JA : Flat lever - position A



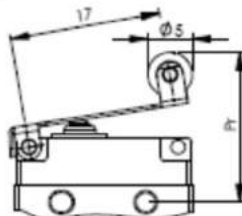
Actuating Force Fa max. (N)	1.0
Release Force Fr min (N)	0.15
Free Position Pr (mm)	12.0 ± 0.4
Operating Position Pa (mm)	10.6 ± 0.4
Over-travel sr min. (mm)	1.2
Differential movement sd max. (mm)	0.40

Type 7JB : Flat lever - position B



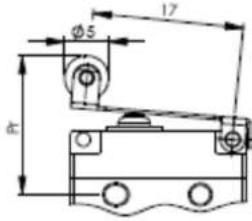
Actuating Force Fa max. (N)	2.0
Release Force Fr min (N)	0.3
Free Position Pr (mm)	10.3 ± 0.4
Operating Position Pa (mm)	9.7 ± 0.4
Over-travel sr min. (mm)	0.6
Differential movement sd max. (mm)	0.30

Type 8JAL : Roller - position A



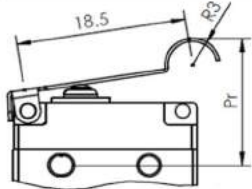
Actuating Force Fa max. (N)	1.0
Release Force Fr min (N)	0.15
Free Position Pr (mm)	17.2 ± 0.4
Operating Position Pa (mm)	16.0 ± 0.4
Over-travel sr min. (mm)	1.2
Differential movement sd max. (mm)	0.40

Type **8JBL** : Roller - position B



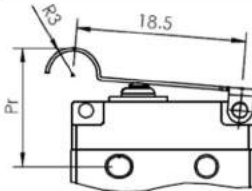
Actuating Force Fa max. (N)	2.0
Release Force Fr min (N)	0.3
Free Position Pr (mm)	15.7 ± 0.4
Operating Position Pa (mm)	15.1 ± 0.4
Over-travel sr min. (mm)	0.6
Differential movement sd max. (mm)	0.30

Type **8JGSA** : Simulated roller - position A



Actuating Force Fa max. (N)	1.0
Release Force Fr min (N)	0.15
Free Position Pr (mm)	14.7 ± 0.4
Operating Position Pa (mm)	13.5 ± 0.4
Over-travel sr min. (mm)	1.2
Differential movement sd max. (mm)	0.40

Type **8JGSB** : Simulated roller - position B



Actuating Force Fa max. (N)	2.0
Release Force Fr min (N)	0.3
Free Position Pr (mm)	13.2 ± 0.4
Operating Position Pa (mm)	12.6 ± 0.4
Over-travel sr min. (mm)	0.6
Differential movement sd max. (mm)	0.30

Standard wiring diagramm

	Diagram	Couleur
Direct Action		1 : Brown 2 : White 4 : Green

Ordering information

MP43 **0** - **7JA** / **325** / **100** **PVC**

Contact material

- 0 : Silver contact
- 1 : Gold contact

Actuator

- 0: Basic switch - pin plunger
- 7JA : Flat lever - A position
- 7JB : Flat lever - B position
- 8JAL : Roller - A position
- 8JBL : Roller - B position
- 8JGSA : Simulated Roller - A position
- 8JGSB : Simulated Roller - B position

325 : 3 wiring section 0.25 mm²

350 : 3 wiring section 0.50 mm² (PVC only)

Length of cable in centimeter (cm)

Material of cable

- PVC: Polyvinyl Chloride
- PUR: Polyurethane
- SI: Silicone