MWZ series

Waterproof snap-action micro switches

Distinctive features and specifications

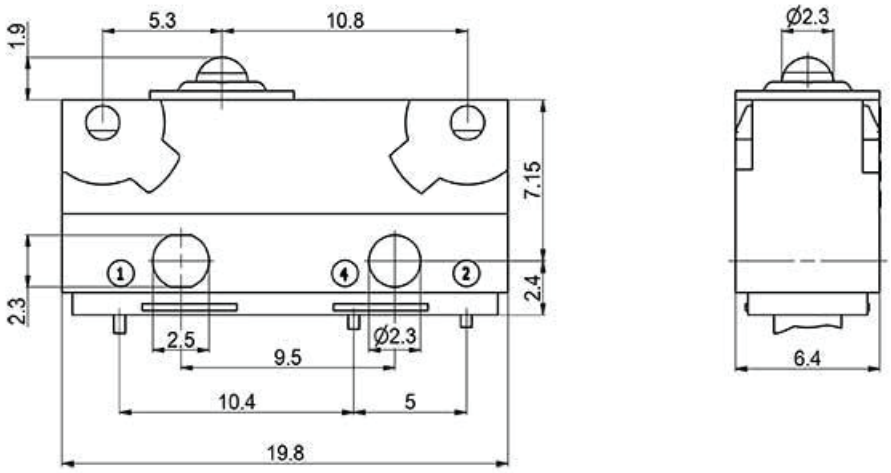


- ❑ IP67 sealed
- ❑ UL certified
- ❑ 1 million mechanical lifecycles
- ❑ Ideal for adverse environment applications
- ❑ Optional sealed wire outlet available

ENVIRONMENTAL SPECIFICATIONS		
Housing	–	PA66-FR50
Cover	–	PA66-FR50
Actuator	–	PBT
Actuator sealing	–	Methyl Vinyl Silicone rubber
Terminals	–	CuZn AG plated
Contacts	–	AgNi - Silver nickel
Contact spring	–	Stainless steel
Contact sealing	–	Epoxy resin

ELECTRICAL SPECIFICATIONS		
Rating	–	5(2)A 125/250VAC
Electrical lifecycle	–	Minimum: 50,000 cycles

GENERAL SPECIFICATIONS		
Operating temperature	–	-40°C to +85°C (-40°F to +185°F)
Sealing	–	IP67
Contact opening	–	<3 mm (.118in)
Typical operating force	–	1.5N
Mechanical lifecycle	–	Minimum: 1 million cycles



MWZ series

Waterproof snap-action micro switches

Overview

MWZ [ ] [ ] [ ] [ ] [ ] [ ] [ ]

SERIES

Operating force
C 1.5N

Contact functions
A NC
B NO
C NCNO

Fixing position
A Near Actuator
B Opposite of actuator
X No actuator lever

Rating
101 5(2)A 125/250VAC

Ambiant temperature
01 20T85

Actuator
01 Plunger
03 Hinge lever
06 Roller lever
08 Simulated roller lever

Terminals
01 Solder
02 PCB
03 PCB (left)
04 PCB (right)
05 Quick connect

optional

WIRE OUTLET **
L Left
R Right
G Straight

WIRE LENGTH
100 100mm
200 200mm
300 300mm
400 400mm
500 500mm
600 600mm
700 700mm
800 800mm
900 900mm

NOTES: Standard wire colors are: Common = White; Normally closed = Red; Normally open = Black
** Only Solder terminal option available when choosing **optional** WIRE OUTLET.

Sealed to IP67 - protected against dust and liquid ingress

Packaging units:
With wires (bags): 20 to 100 pieces per bag (depending on quantity & length of wire).
Without wires (tray): 100 pieces per tray.



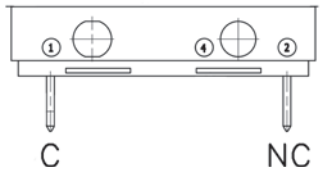
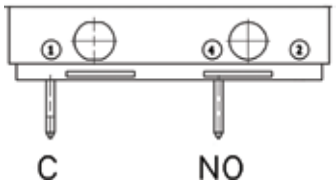
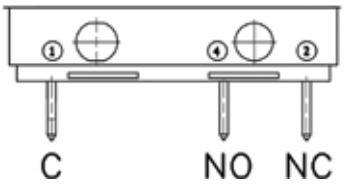


MWZ series

Waterproof snap-action micro switches

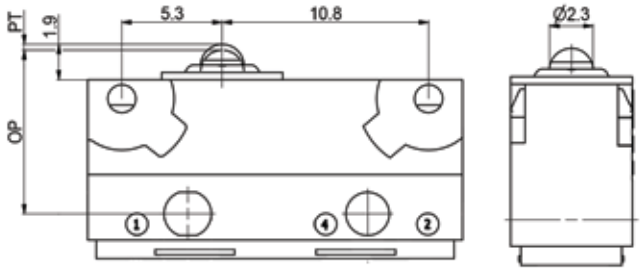
Dimensional drawings and option detail

CONTACT FUNCTIONS

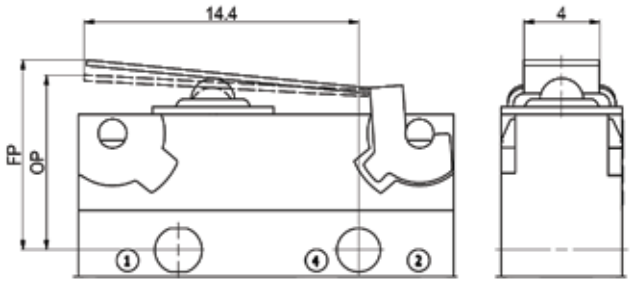
A - NORMALLY CLOSED	B - NORMALLY OPEN	C - NORMALLY CLOSED / NORMALLY OPEN
		

ACTUATORS

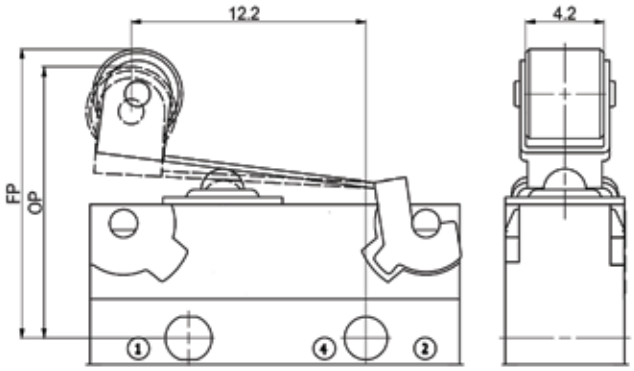
01 - Plunger



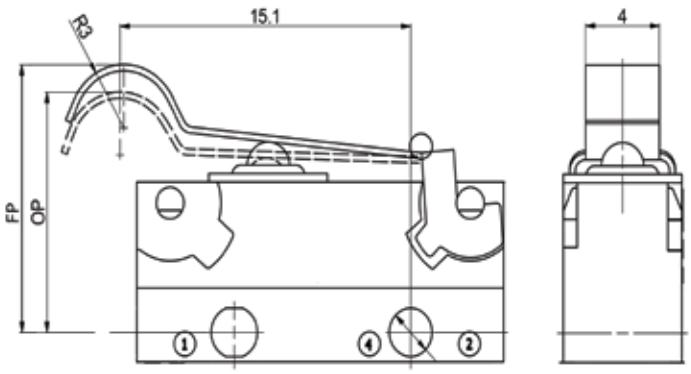
03 - Hinge lever



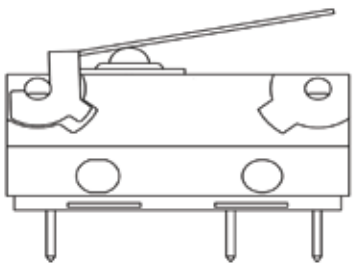
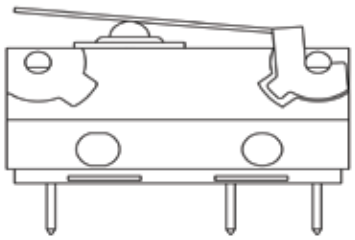
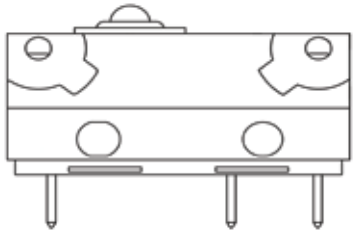
06 - Roller lever



08 - Simulated roller lever



FIXING POSITION

A - Near actuator	B - Opposite of actuator	X - No actuator lever
		

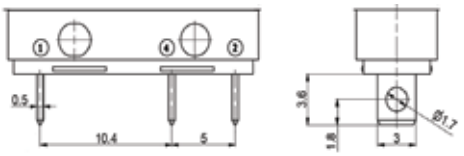
MWZ series

Waterproof snap-action micro switches

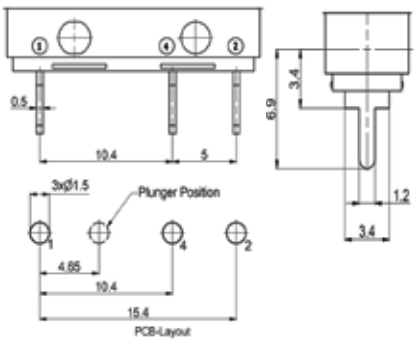
Additional wiring options

TERMINALS

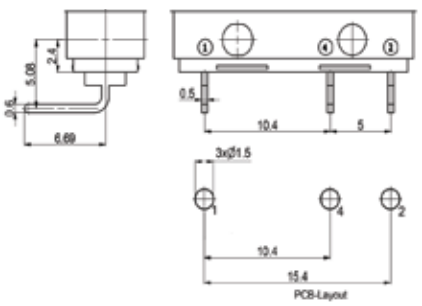
01 - Solder terminal



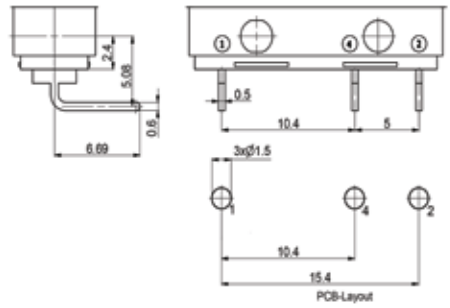
02 - PCB terminal (0.5 x 1.2mm)



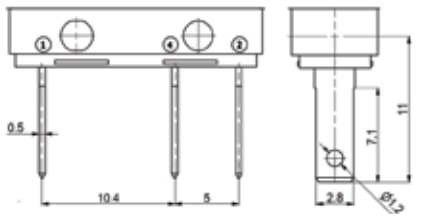
03 - PCB terminal (left)



04 - PCB terminal (right)

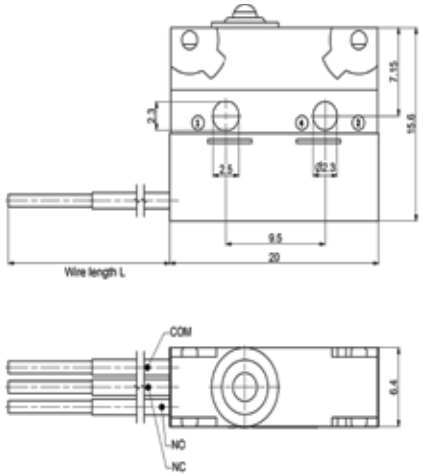


05 - Quick-Connect

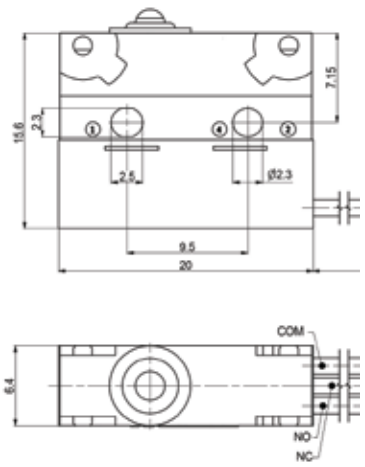


OPTIONAL WIRE OUTLET

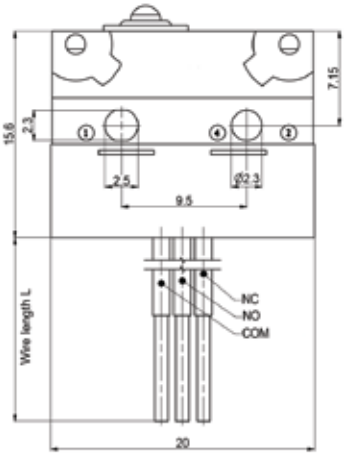
L - WIRE OUTLET (LEFT)



R - WIRE OUTLET (RIGHT)



G - WIRE OUTLET (STRAIGHT)



TRAVEL TABLE

MWZ	Actuator code	Actuator Length	Operating Force on lever (≤N)	Pretravel (mm)	Overtravel (min. mm)	Movement differential (≥mm)
Plunger (Standard)	01	-	-	0.8	0.4	0.1
NEAR ACTUATOR FIXED						
Hinge Lever	03	14.4	0.55	-	1.0	0.6
Roller Lever (long)	06	12.2	0.60	-	1.0	0.4
Simulated Roller Lever	08	15.1	0.50	-	1.0	0.6
OPPOSITE ACTUATOR FIXED						
Hinge Lever	03	14.4	1.05	-	0.8	0.4
Roller Lever (long)	06	12.2	1.20	-	0.6	0.4
Simulated Roller Lever	08	15.1	1.00	-	0.8	0.4