

KISSLING MICRO SWITCH

Series MZW1

Quality Switch

Our MZW1 KISSLING micro switches have been specifically designed for mission critical applications with extended environmental requirements in a centrally controlled miniature housing.

These high quality micro switches are precise and display both reliable and consistent switching behavior under the harshest conditions and over product lifespans of 10 million cycles. The switch has a load switching range from 0.1A up to 10A (AC). The housings are made of thermoplastic and are sealed up to IP67 depending on the configuration.

This series offers high switching security, since in operation the moving contact is activated in a cross traverse with respect to the fixed contact. This movement provides automatic self cleaning of the main contact surface and inhibits welding or sticking. These switches are intended to be used in extreme environmental conditions.

Features

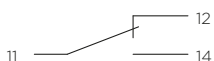
- 1- & 2-pole switches available
- Nominal load up to 10A at 250VAC
- Min. switching current 10 mA at 12 VDC
- Switching frequency up to 200 cycles/min.
- Variety of available actuator geometries and sizes
- High quality silver alloy or gold plated contacts

Applications

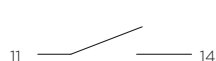
- Automotive equipment
- General mechanical engineering
- Appliance and industrial engineering
- Medical equipment
- Commercial vehicles

Switching function

Change-over



NO



NC



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Specification

Technical Data

Housing Material	Thermoplast GF
Interior protection	IP 67 IEC 60529
Connector	cable or cable with connector

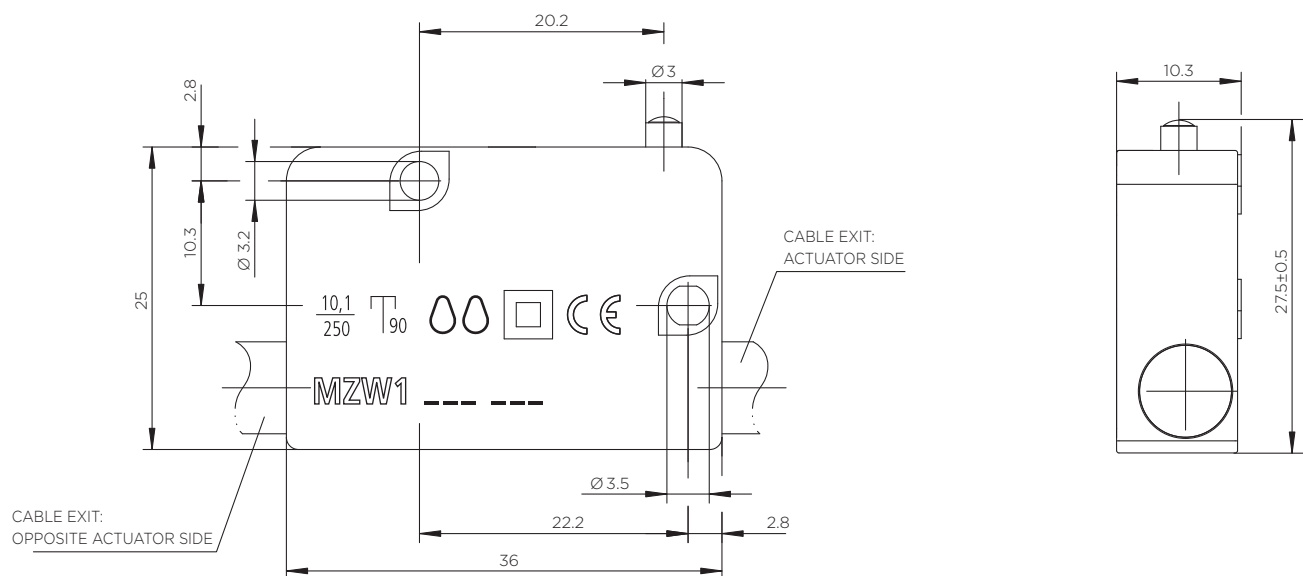
Mechanical Data

Pre-travel	0.5mm - 1.1mm
Overtravel	min. 1mm
Movement differential	0.05mm - 0.3mm
Operating force	3N - 5.1N
Release force	> 1.0N
Max operating force	< 10N
Current carrying parts	Cu-alloy
Contact material	Silver alloy or gold plated contacts
Mechanical life	10 Mio.
Frequency	200/min
Operating speed in direction of plunger	max. 0.5m/sec
Temperature range (depending on cable type)	-40°C to +70°C
Temperature range(special edition)	-40°C to +300°C

Electrical data

Nominal voltage	250VAC, 24VDC
Continuous current	10.1A
Min. switching capacity	12VDC, 10mA

Technical drawings

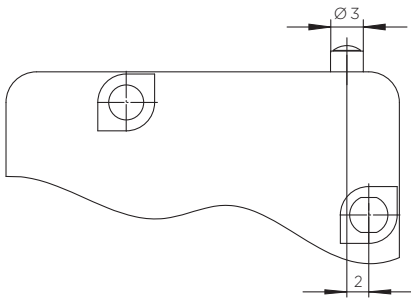


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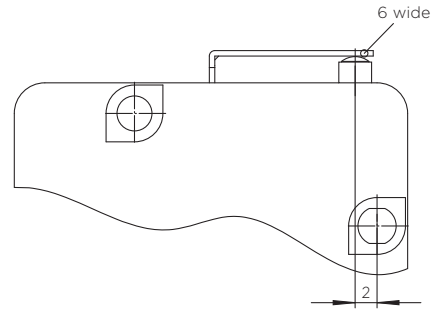
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Actuators

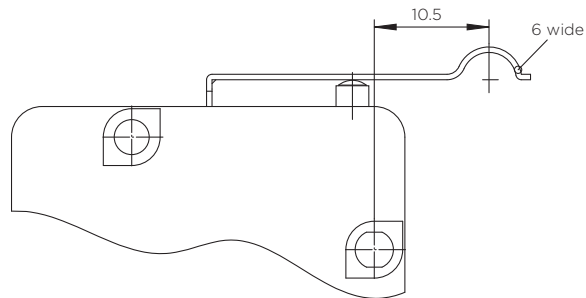
Plunger actuation



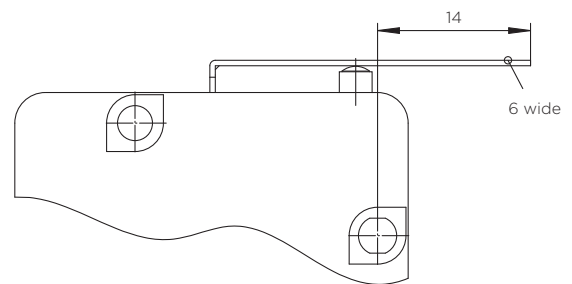
Lever straight, short



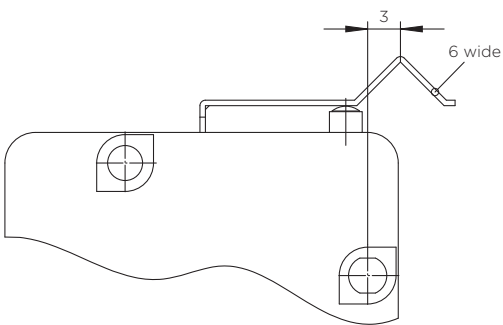
Lever with rounded cam



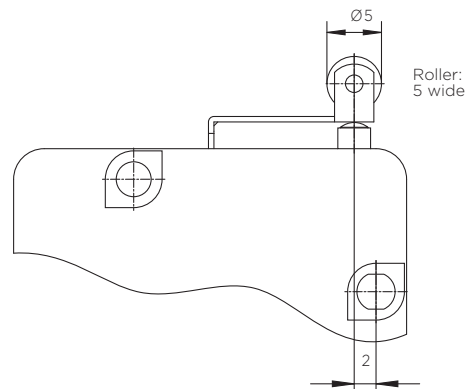
Lever straight, long



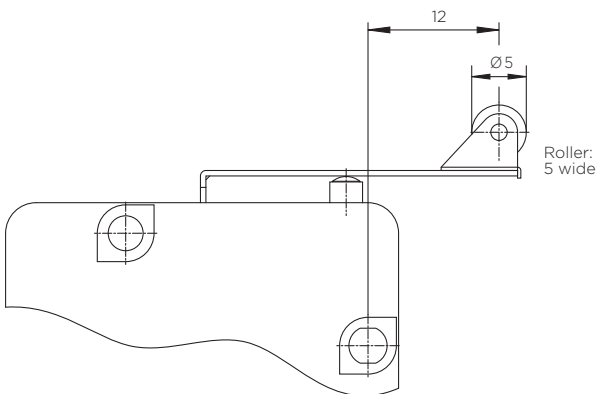
Lever with angular cam



Roller-lever, short



Roller-lever, long

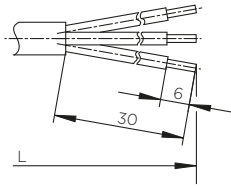


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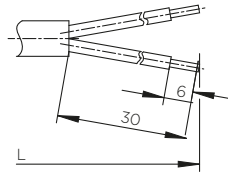
Cable configuration

Change over



PVC-Cable LiYY 3 x 0.75mm²

NO | NC



PVC-Cable H05VV-F 2 x 1.5mm²

Ordering Information

Part Number
example: MZW1.021.050
MZW1.

	Switching principle	Cable exit
0	snap switch	actuator side
1	snap switch	opposite actuator side
7	positive action	actuator side
8	positive action	opposite actuator side

Cabel length in (50cm steps)
___ in (50cm steps)

Switching function	
1	Change over
2	NO
3	NC

Actuator	
2	Plunger actuation
3	Lever with rounded cam
4	Lever straight, short
5	Lever straight, long
7	Lever with angular cam
8	Roller-lever, long
9	Roller-lever, short

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