



Features

- 1- and 2-pole switches available
- Nominal load up to 10A at 250VAC
- Min. switching current 10mA at 12VDC
- 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

KISSLING MICRO SWITCH

Series MZD

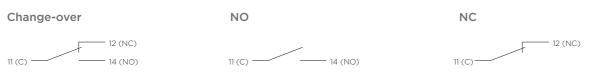
Quality Switch

Our MZD 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. The MZD Series is available as a sealed or dust proof version with easy assembly through to central mounting.

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.

Switching function



Specification

Technical Data

Housing Material	Thermoplast GF
Protection switch insert MZW	IP67 IEC 60529
Protection switch insert MZX	IP40 IEC 60529

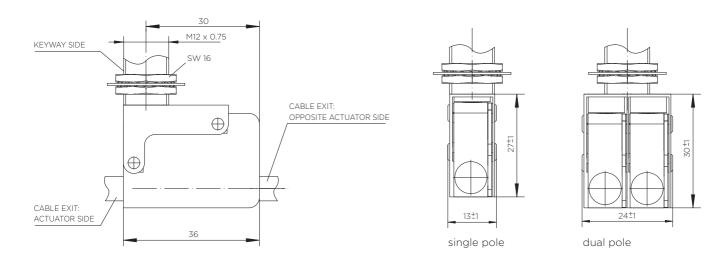
Mechanical Data

Pre-travel	0.5mm - 1.1mm			
Overtravel	> 2mm			
Movement differential	0.05mm - 0.3mm			
Operating force	Switch insert MZW: 2N - 6N switch insert MZX: 1.5 - 4N			
Release force	Switch insert MZW: > 1N dust proof MZX: > 1N			
Max operating force	< 20N			
Current carrying parts	CuZn-alloy			
Contact material	Silver alloy or gold plated contacts			
Mechanical life	10 Mio.			
Frequency	200/min			
Temperature range switch insert MZW	-40°C to +70°C (cable dependent)			
Temperature range switch insert MZX	-40°C to +85°C			

Electrical data

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

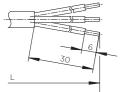
Technical drawings



Cable configuration

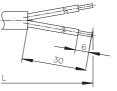
Change over

Actuators



PVC-Cable LiYY 3 x 0.75mm²

NO/NC



PVC-Cable H05VV-F 2 x 1.5mm²

Note: Continuous current and temperature capabilities of the switch are influenced and restricted respectively by cable style and conductor cross section.

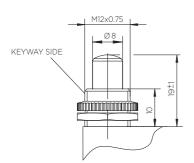
3 Pushbutton with role lengthwise

20

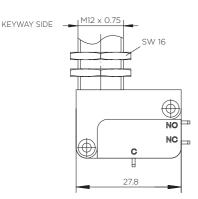
M12x0.75

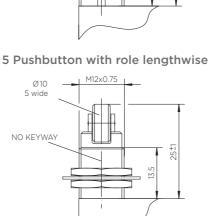
1 Pushbutton with crest M12x0.75 Ø8 KEYWAY SIDE 32±1 б Π

2 Pushbutton with crest

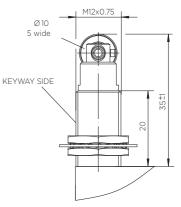


Technical drawings

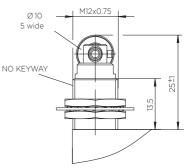


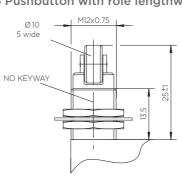


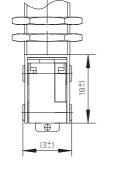
4 Pushbutton with role crosswise



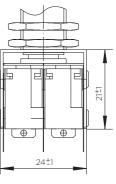
6 Pushbutton with role crosswise







single pole



two pole

KEYWAY SIDE 35±1

Ø 10

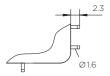
5 wide

Industrial & Commercial Transportation / KISSLING Micro Switch - Series MZD

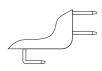
Series MZD

Connection types

Solder Connection



Faston terminals 2.8 x 0.8



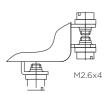


Solder Connection

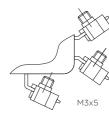
Ø 2.4

Faston terminals 6.3 x 0.8





Screw terminals M3



Ordering Information

		Part Nun example MZD: M2 MZD	ZD2.431.050		
Poles				Connec	ction types MZD
1	Single pole			02	Solder Connection 2.3
2	Two pole			04	Solder Connection 6.2
				05	Screw terminals M 2.6
Config	uration			06	FASTON terminals 2.8 x 0,8
0	Dust proof			08	FASTON terminals 6.3 x 0.8
3	Exit actuator side			09	Screw terminals M3
4 Actuat	Exit opposite actuator side			Cable length / switch Waterproof, cable length in	
Actual	Select on page 3				50 cm steps
-	Select on page 5			3	Switch dust proof
				Switchi	ng function
				1	Change-over
				2	NO
				3	NC

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