

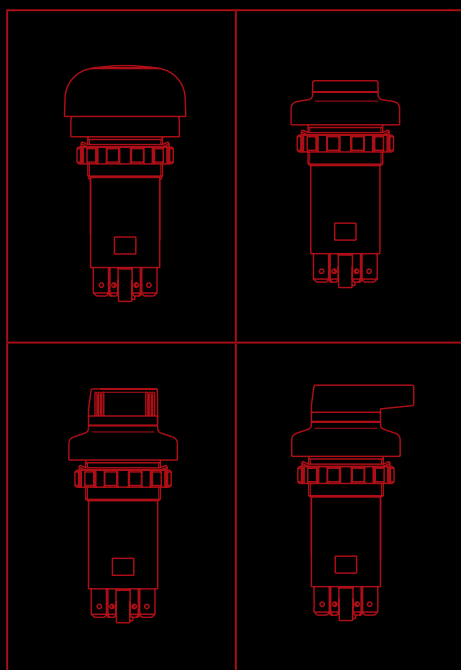


# MW SERIES

## HARSH ENVIRONMENT SWITCHES

### NEW RANGE

- Sturdy: heavy-duty rugged construction
- Reliable operation under high loads
- Dustproof and watertight products
- Incredible mechanical life, up to 500,000 cycles



## PUSHBUTTON

<b>MW</b>	<b>1</b>	<b>B</b>	<b>-</b>				
SERIES	BEZEL	CATEGORY	OPERATION	ACTUATOR STYLE	No. OF CONTACTS	ACTUATOR COLOR	
	1 – Round, black plastic	B – Button	A – Latching/maintained M – Momentary	1 – Flush head 3 – Mushroom head	1 – SPDT 2 – DPDT	B – Black G – Green R – Red S – Blue W – White Y – Yellow	

## SELECTOR

<b>MW</b>	<b>1</b>					
SERIES	BEZEL	CATEGORY	OPERATION	ACTUATOR STYLE	No. OF CONTACTS	
	1 – Round, black plastic	S – Selector	2 – 2 positions (maintained) 3 – 3 positions (maintained)	Y – Knob operator L – Lever operator	2 – DPDT	

Please note that some combinations may not be available – please read the datasheet or contact your local product manager for further information.

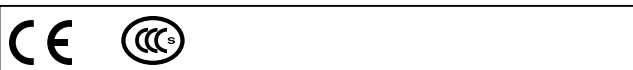
### Environmental specifications

Standard Operating Condition	Operating temperature: –25 to +70°C (no freezing) Storage Condition: –30 to +80°C (no freezing) Relative humidity: 45 to 85% RH (no condensation)
Vibration Resistance	Damage limits, operating extremes: 5 to 55 Hz, amplitude 0.5 mm
Shock Resistance	Damage limits: 1,000 m/s <sup>2</sup> Operating extremes: 100 m/s <sup>2</sup>
Degree of Protection	IP65, IP66 (IEC 60529)

### Electrical specifications

Contact Resistance	50 mΩ maximum (initial value)
Insulation Resistance	100 MΩ minimum (500V DC megger)
Dielectric Strength	Between live and dead metal parts: 2,500V AC, 1 minute Between live parts of different poles: 2,500V AC, 1 minute
Electrical life	100,000 operations (Switching frequency 1200 operations/h)

### Approvals – EN compliant and CCC approved



### Main accessories

- Locking rwing wrench MW9Z-T1
  - Screw terminal socket MW9Z-C1N
  - Mounting hole plug LW9Z-BM
  - Color insert for selectors HA9Z-HC1\*
  - Button BS1BN-\* / MW9Z-B13\*
  - Locking ring MW9Z-LN
- \* + color G (green), R (red), S (Blue), W (white), Y (yellow)

### General specifications

Mechanical Life	Momentary: 500,000 operations minimum Maintained: 250,000 operations minimum Selector switch: 250,000 operations minimum
Terminal Style	Solder / tab terminals #187

### Contact Ratings

Insulation Voltage	125V	
Thermal Current	10A	
Operating Voltage	24V	110V
AC 50/60 Hz	Resistive Load AC-12	—
	Inductive Load AC-15	—
DC	Resistive Load DC-12	8A
	Inductive Load DC-13	5A
Contact Material	Silver	

### Mounting Hole Layout

