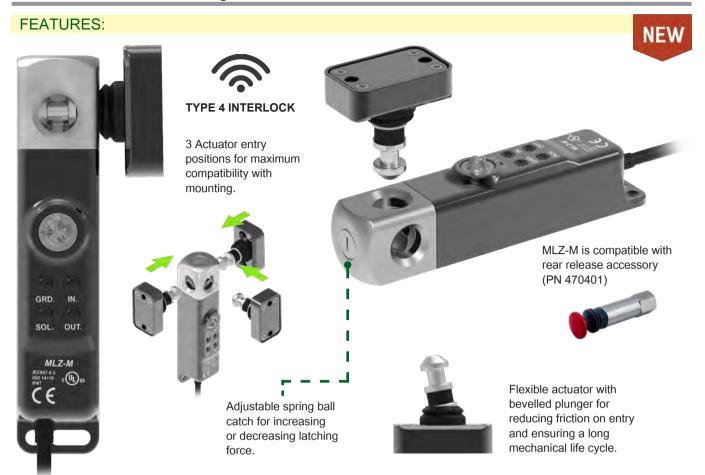
RFID Guard Locking Switch Metal: MLZ-M



Rugged and Reliable

Introducing the MLZ-M, a Type 4 guard locking switch with RFID technology, designed to prevent unintended access to hazardous areas and eliminate costly machine stoppages by securely locking units during machine operation.

Compact and Versatile Design

The MLZ-M features a small physical footprint, ensuring seamless integration into any machine setup. Its unobtrusive design enhances mounting versatility, reduces the risk of tampering, and minimizes potential damage.

Exceptional Holding Force

With an impressive holding force of 4000N, the MLZ-M ensures operators cannot forcibly enter hazardous areas when locked, providing unparalleled safety and security.

Instant Status Identification

The MLZ-M is equipped with high-brightness, angular cut indicators that allow for easy recognition of the open/close status of all access points at a quick glance. Conveniently located, these indicators are visible from a distance and multiple directions, ensuring instant status identification.

Effortless Mounting

Mounting the MLZ-M is straightforward with its built-in mounting holes, allowing direct installation onto a machine frame. The MLZ-M also features three actuator entry points to accommodate any door style, making it one of the most flexible solutions on the market.

Unmatched Flexibility

The MLZ-M offers a level of flexibility unmatched by other locking type interlocks. It includes a flexible locking bolt and beveled entry points, ensuring proper mating even if a door sags, providing reliable performance in various conditions.

Simplified Wiring

Wiring the MLZ-M is simpler and easier than ever, thanks to its built-in cascading function. Connect safety interlocks throughout the machine and reduce the total number of safety outputs to a single pair of OSSDs, simplifying your safety system setup.

Features:

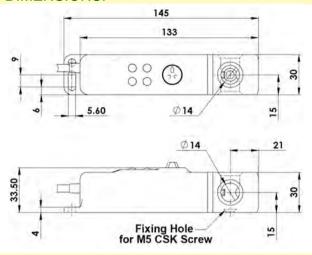
- Type 4 Guard Locking Switch with RFID
- Compact Design for Easy Integration
- 4000N Holding Force
- Rear escape release options.
- High-Visibility Status Indicators
- Direct Machine Frame Mounting
- Built-In Cascading Function

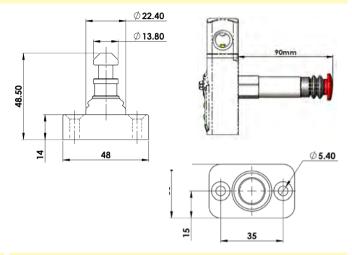
Technical Specification		
Standards	IEC60947-5-3, ISO14119, ISO13849-1, IEC62061	
Supply Voltage	24VDC (-15% / +10%)	
Power Consumption	50mA (no load) 500mA peak (solenoid energised)	
Safety Outputs	24VDC, 0.2A	
Auxiliary Outputs	24VDC, 0.1A	
Rated Insulation Voltage	500VAC	
Holding Force (ISO14119)	Fzh 4000N	
Operating Frequency	1Hz	
Material	Die-Cast Body / Stainless Steel 316 Head	
Enclosure Protection	IP67	
Operating Temperature	-25C to +40C	
Mechanical Life Expectancy	2.5 x 10 ⁶ cycles	
Vibration and Shock are tested to IEC 60068-2-6 and -2-27	IEC88-2-6, 10-55Hz + 1Hz Excursion 0.35mm 1 octave/min	

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DIMENSIONS:





INDICATION DIAGRAM:

GUARD INPUT SOL. OUTPUT

LED 1	Guard State	
Guard Locked	Green (Steady)	
Guard Unlocked	Green (Flashing)	
Incorrect Code	Red (Flashing)	
Guard Open	Red	

LED 2 Input	t
Safety Inputs On	Green (Steady)
Safety Inputs Missing	Green (Flash)
Safety Inputs Off	Off
Internal Fault	Red (Steady)

LED 3 Outp	out	
Safety Outputs On	Green (Steady)	Sole
Safety Outputs Off	Off	Sole
External Fault	Red (Flashng)	

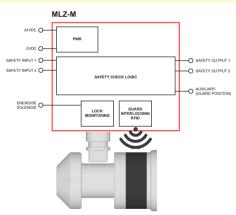
LED 4 Solen	oid
Solenoid Energised	Red
Solenoid De-energised	Off

CONNECTIVITY:

Quick Connect Pin View from Switch (M12)	Flying Lead Colour	Switch Circuit
2	Red	Supply +24V.dc
3	Blue	Supply 0V.dc
7	Black	Safety Input 1
1	White	Safety Output 1
4	Yellow	Safety Input 2
6	Green	Safety Output 2
8	Orange	Guard open signal +24V.dc
5	Brown	Solenoid enable +24V.dc

Quick Connect Pin View from Switch (M12)	Switch Circuit
3 2 1	
1	Supply +24V.dc
2	Safety Output 1
3	Supply 0V.dc
4	Safety Output 2
5	Unlock (Solenoid enable +24V.dc)

CONNECTION DIAGRAM:



ORDERING:

Part Number	Description
473001	MLZ-M 24VDC, 5m Pre-Wired (Inc. Actuator)
473002	MLZ-M 24VDC, 10m Pre-Wired (Inc. Actuator)
473004	MLZ-M 24VDC, 15m Pre-Wired (Inc. Actuator)
473005	MLZ-M 24VDC, 20m Pre-Wired (Inc. Actuator)
473003	MLZ-M 24VDC, M12-QC 8way on 250mm Flying Lead (Inc. Actuator)
473103	MLZ-M 24VDC, M12-QC 5way on 250mm Flying Lead (Inc. Actuator)
473420	Spare / Replacement Actuator
Accessories	
470410-L	MLZ Single Action Latching Pull Handle SS (Left)
470410-R	MLZ Single Action Latching Pull Handle SS (Right)
470402	Sliding Handle (Gate Bolt)
470403	Optional Spring Catch for Sliding Handle
470401	Rear Release Button (90mm)
470404	Rear Gasket Set for Switch and Actuator

