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IDEM MLZ SOLENOID SWITCHES

470001.
MLZ 24 VDC 5 meter cable RFID Locking Switch



- IP67/IP69K
- Electrically lockable, 4 000 N
- OSSD outputs

PRODUCT DESCRIPTION

IDEM's stainless-steel solenoid-controlled RFID safety interlock switches in the Z-Range feature mirror-polished 316 stainless-steel housing rated to IP67 (some versions to IP69K), ensuring rugged durability and easy cleaning in harsh industrial environments. These units deliver dual OSSD PNP outputs alongside auxiliary outputs, enabling pulsed 24 V self-monitoring safety signals ideal for integration into SIL 3 / PL e safety controllers. The solenoid-powered mechanism provides a holding force up to F_{1max} 3000 N (300 kg), ensuring secure guard or door locking while hazardous equipment is operational. Release methods vary by model, from automatic power-to-unlock when safe, to mechanical rear or side release buttons, plus optional trapped personnel keys to safeguard against unintended access.
These rugged interlock switches are designed to control access to hazardous zones, such as drone enclosures, robotic cells, press machinery, or pharmaceutical cleanrooms, where secure guard locking and safety-rated guard monitoring are critical. The RFID-coded sensors offer anti-tamper protection, detecting correct actuator alignment and enabling multiple guard setups with reliable recognition. Installation is streamlined via M20, ½″ NPT, or M12 quick-connect cabling, and the stainless-steel finish supports routine washdown and sterilisation procedures. With certifications including TUV, cULus, and performance data like SIL 3, PFH 1 × 10^{-9}, and PL e/Cat 4, IDEM's solenoid RFID interlocks meet the strictest safety and hygiene standards across food & beverage, automotive, and industrial automation sectors.

TECHNICAL DATA

Cable length	5 m
Contacts	2 x OSSD, PNP
Head material	Stainless steel 316
Holding force (F1Max)	4000 N
Housing material	Stainless steel 316
Integrated LED indication	Yes
Operating temperature	-25°C ... +55°C
PL	e acc. ISO13849-1
SIL	3 acc. EN62061
Solenoid Voltage	24V dc



