## RFID Guard Locking Switch S/Steel Type: PARSALOCK KL3-SS-Z

FEATURES: $\stackrel{\Delta}{\text { Tüv }}$ (Pending)
Solenoid Locking Interlock Safety Switch featuring RFID Interlocking
The KL3-SS-Z Series Guard Locking switches have been designed to incorporate high anti-tamper RFID coding and provide PLe safety levels to ISO13849-1.

The RFID sensing is complemented by a traditional cam locking system which has been developed with a holding Force of 3000N to keep guard doors closed until hazards have been removed.

Unique rotating head to offer both Front and End actuation.
32 million RFID codes - each switch unique - high coding to ISO14119.
The fully Stainless Steel 316 enclosure has IP69K ingress protection which is maintained by a double seal lid gasket design.

They have a slim profile and are designed to fit on 50 mm (2in) frame sections or to applications where space is restricted and the head will rotate to provide up to 8 actuator entry positions and includes front and end entry sensing.

Can be high pressure hosed at high temperature with detergent.
Choice of standard or flexible actuators.
M12 Quick connect version available.

## FUNCTIONAL SPECIFICATIONS:

Solid State OSSD Safety Outputs short circuit protected.
High Functional Safety to ISO13849-1, maintains Ple Interlocking via self-test technique when switches are connected in series to a safety controller or relay.

2 Safety Circuits - closed when switch is locked and machine able to run.
1 Auxiliary circuit for indication of Guard status (Guard open).
1 Auxiliary circuit for indication of Lock Status (Guard locked).
4 diagnostic LED's to display guard position, lock, input/output signals and fault status.
ACTUATOR OPTIONS:


AZ Standard Actuator Standards:

Safety Classification and Reliability Data:
Supply Voltage Power Consumption

Safety Circuits (11-12, 21-22)
Auxiliary Circuits (34 and 44)
Rated Insulation Voltage
Holding Force (ISO14119)
Actuator insertion distance for assured locking
Sao Sar (RFID sensing)
Operating Frequency
Actuator entry minimum rad
Body Material
Head Material
Actuator Material Enclosure Protection
Operating Temperature -25 C to +40 C
Mechanical Life Expectancy $2.5 \times 10^{6}$ cycles
Vibration IEC88-2-6, $10-55 \mathrm{~Hz}+1 \mathrm{~Hz}$ Excursion 0.35 mm 1 octave/min

Characteristic data according to IEC62061 (used as a subsystem) Safety Integrity Level SIL 3

PFH (1/h) $\quad 4.80 \mathrm{E}-10$ Corresponds to $4.8 \%$ of SIL3 Proof Test Interval $T_{1} \quad$ 20a
Front entry actuation

End entry actuation direction.

REAR RELEASE
option also available please see Sales Numbers.

Unique design offering both Front or End entry actuation.

Head will rotate to give 8 actuator entry positions for full flexibility depending on application.

direction.


SCHEMATIC \& CONNECTION EXAMPLE:



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