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# IDEM KLTM-RFID LOCKING SWITCH

450301
KLTM-RFID (Uniquely coded) M20 24v (Rear/Front Upper)

- Electric release
- 2 x LED indicator
- Locking force up to 2000 N
- Dimensions 105 mm x 150 mm
- Built-in RFID sensor

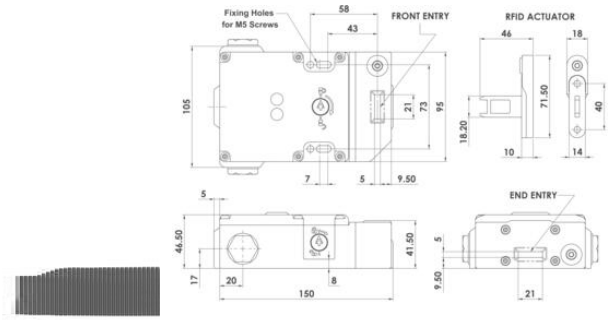
### PRODUCT DESCRIPTION

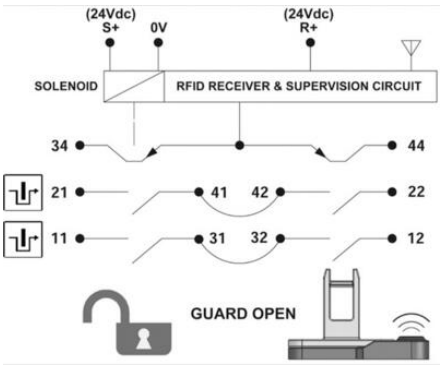
Locking switch with RAMZLOCK KLTM-RFID locking with built-in RFID sensor ensuring the highest level of safety PL e according to EN ISO 13849-1. The switch has 4 NC safety contacts and 2 PNP signal outputs. It is made of cast metal, with locking force up to 2000N. The breaker head is made of stainless steel. The switch has 2 LEDs that show the status of the solenoid, the status of the interlock and faults. The KLTM-RFID switch has a standard distance between the mounting holes - 73 mm.
In the event of a voltage drop, the switch can be opened in an emergency without any special keys. The switch is available in the version: voltage release.

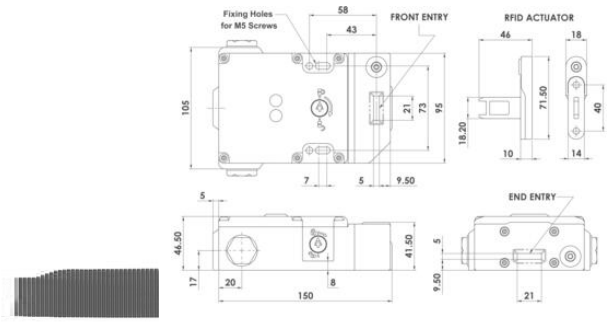
## TECHNICAL DATA

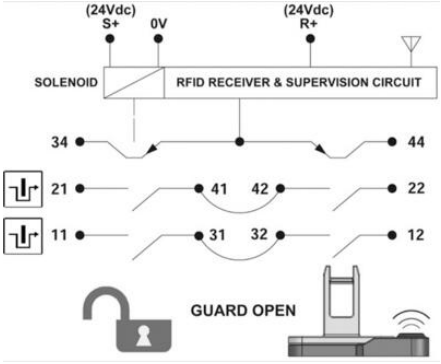
| | |
|---|---|
| **Actuator** | Uniquely coded actuator |
| **Annual usage** | 8 cycles per hour/24 hours per day/365 days |
| **Approvals** | ISO 13849-1, ISO 14119, EN60204-1, EN62061, EN60947-5-1, UL 508 |
| **Conduit entry** | M20 |
| **Contact type** | 4NC safety contacts, 1NO auxiliary PNP signal (guard open), 1NO auxiliary PNP signal (guard locked) |
| **Contacts** | 4NC 2NO |
| **Head material** | Stainless steel 316 |
| **Holding force (F1Max)** | 3000 N |

| | |
|---|---|
| **Housing material** | Die cast metal |
| **Integrated LED indication** | Yes |
| **IP class** | IP67 |
| **LED indication** | LED1 red solenoid power on, LED2 green switch locked, LED2 yellow diagnostic fault |
| **Manual operation** | Manual release lid only |
| **Maximum approach / withdrawal speed** | 600 mm/s |
| **Mechanical reliability B10d** | 2.5 x $10^6$ operations at 100mA load |
| **Mounting** | 2 x M5 |
| **MTTFd** | 356 years |
| **Operating temperature** | -25°C ... +40°C |
| **PFHd** | 3.44 x $10^{-8}$ |
| **PL** | e acc. ISO13849-1 |
| **Rated insulation voltage** | 600V ac |
| **SIL** | 3 acc. EN62061 |
| **Solenoid Voltage** | 24V dc |
| **Thermal current (Ith)** | 5 A |
| **Travel for positive opening** | 10 mm |
| **Utilisation category** | AC15, A300, 3 A |
| **Withstand voltage** | 2500V ac |




Fixing Holes
for M5 Screws
58
43
FRONT ENTRY
RFID ACTUATOR
46
18
105
21
73
95
71.50
40
18.20
10
14
7
5
9.50
5
46.50
41.50
17
20
8
150
END ENTRY
5
9.50
21


(24Vdc)
S+
0V
(24Vdc)
R+
SOLENOID
RFID RECEIVER & SUPERVISION CIRCUIT
34
44
21
41
42
22
11
31
32
12
GUARD OPEN