



## IDEM - STAINLESS STEEL IP69K GUARD LOCKING SWITCH KLT-SS-RFID

451201

KLT-SS-RFID (Uniquely coded) M20 24v (Front/End Lower)



- Anti-tamper tongue technology
- Mirror polished Ra10 Stainless Steel 316
- Will fit on 73mm fixing centres
- IP69K
- LED diagnostics for Solenoid, lock/faults



### PRODUCT DESCRIPTION

IDEM's KLT-SS-RFID Series Guard locking switches are tongue type safety switches incorporating traditional mechanical anti-tamper tongue technology (featuring IDEM's patented cam system) but also incorporating uniquely coded RFID non contact coded sensor technology in one device.

They interlock and hold closed guard doors to protect operators from moving or hazardous machinery. They are suited to where a high anti-tamper technology is required to prevent accidental or deliberate attempts to by-pass their interlock.

Both technologies must be satisfied to enable the machine to be started.

They have a mirror polished Stainless Steel 316 body design and have been developed with a maximum holding force of 2000N to keep medium to large guard doors closed until hazards have been removed.

IP69K enclosure protection is maintained by a double seal lid gasket design and metal fixings.

They have a low profile and fixing holes are on an industry standard 73mm centre to enable easy retrofitting to new or existing guards (or where extra anti-tamper is required).

### 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

<b>Contact type</b>	4NC safety contacts, 1NO auxiliary PNP signal (guard open), 1NO auxiliary PNP signal (guard locked)
<b>Contacts</b>	4NC 2NO
<b>Head material</b>	Stainless steel 316
<b>Holding force (F1Max)</b>	3000 N
<b>Housing material</b>	Stainless steel 316
<b>Integrated LED indication</b>	Yes
<b>IP class</b>	IP69K
<b>LED indication</b>	LED1 red solenoid power on, LED2 green switch locked, LED2 yellow diagnostic fault
<b>Manual operation</b>	Manual release lid only
<b>Maximum approach / withdrawal speed</b>	600 mm/s
<b>Mechanical reliability B10d</b>	2.5 x 10 <sup>6</sup> operations at 100mA load
<b>Mounting</b>	2 x M5
<b>MTTFd</b>	356 years
<b>Operating temperature</b>	-25°C ... +40°C
<b>PFHd</b>	3.44 x 10 <sup>-8</sup>
<b>PL</b>	upp till Ple
<b>Rated insulation voltage</b>	600V ac
<b>SIL</b>	upp till SIL3
<b>Solenoid Voltage</b>	24V dc
<b>Thermal current (Ith)</b>	5 A
<b>Travel for positive opening</b>	10 mm
<b>Weight</b>	2110 g
<b>Withstand voltage</b>	2500V ac



