Safety Limit Switches Type: LSPM (Plastic Body)

APPLICATION:

IDEM's range of LSPM Safety Limit Switches are designed to be mounted for position sensing of moving applications e.g. guard doors, conveyors, machine beds and elevators. They are available with linear plungers, rotary levers or roller plungers with either slow break or snap action contacts.



FEATURES:

- Standard Duty with plastic body (red colour)
- Positive opening NC safety contacts to EN60947-5-1
- High mechanical life over 5,000,000 cycles
- Enclosure protection to IP67 suitable for washdown
- Unique 3 pole positively operated contacts
 - Extensive choice of 7 actuator heads linear and rotary

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c(VL)

170004

1NC/1NO

170002

- Side or end cable exit available to assist with fitting
- Wide operating temperature range from -25C up to +80C

1NC 1NO Snap

2NC/1NC

OPERATION:

Operation of LSPM Safety Limit Switches is achieved by a sliding actuation of the moving object to cause deflection of the switch plungers or levers.

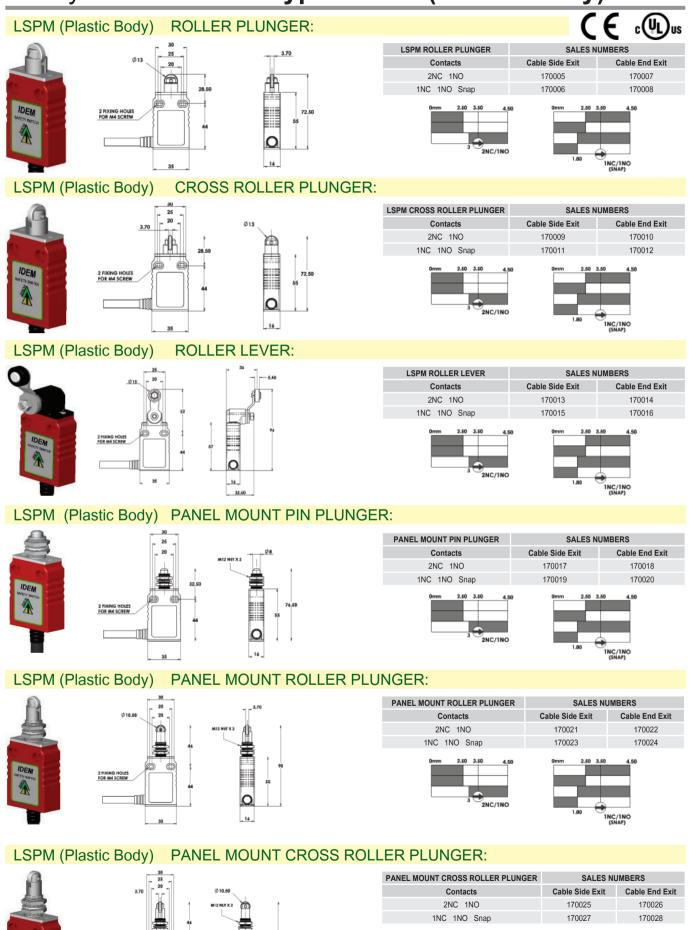
For safety applications it is important that the moving object does not pass completely over the switch actuators so as to either cause damage to the actuator or allow it to return to its original position.

Standards: ISO14119 EN60947-5-1 UL508 WIRING: ACTUATOR TYPES: Safety Classification and PP Pin Plunger Reliability Data: LSPM Roller Plunger RP Mechanical Reliability B10d 2.5x10⁶ operations at 100mA load 4-Core Wiring ISO13849-1 Up to PLe depending upon system architecture CR Cross Roller Plunger EN62061 Up to SIL3 depending upon system architecture RL Roller Lever Safety Data - Annual Usage 8 cycles per hour/24 hours per day/365 days MTTFd 356 years PPP Panel Mount Pin Plunger AC15 A300 240V 3A Utilisation Category PRP Panel Mount Roller Plunger Thermal Current (Ith) 10A **IDEM** Rated Insulation Voltage 300Vac PCR Panel Mount Cross Roller Plunger 2500Vac BLACK Rated Impulse Withstand BLACK 100MO min Insulation Resistance CONTACT BLOCKS: Max. Switching Speed 250mm/sec Max. Switching Frequency 6.000 operations per hr. 2NC 1NO Slow Break Case Material Plastic BROWN 1NC 1NO Snap Action Roller Material Various polymers BLUE Enclosure Protection IP67 Operating Temperature Mechanical Life Expectancy -25C to +80C CONDUIT EXIT: 5,000,000 Vibration IEC68-2-6 10-55Hz 0.35mm 1octave/min S Side Exit version LSPM Conductor Size 1.5mm² 4 core or 6 core Е End Exit version Cable OD 8mm max 6 Core Wiring Fixing 2xM4 Cable Length 2m IDEM BUIE LSPN RROWN Incorrect Incorrect Correct Correct GREEN BLACK LSPM (Plastic Body) **PIN PLUNGER:** LSPM PIN PLUNGER SALES NUMBERS Contacts Cable Side Exit Cable End Exit 2NC 1NO 170001 170003

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Safety Limit Switches Type: LSPM (Plastic Body)



TIII

SECTION 26

SAFETY LIMIT SWITCHES

247

INC/INO

2NC/1NC