



# IDEM SAFETY LIMIT SWITCHES LSPM (PLASTIC BODY)

170014  
LSPM Roller Lever end 2M '2NC 1NO'

- Positive opening safety contact to EN60947-5-1
- 7 actuator heads - linear and rotary
- High mechanical life over 5,000,000 cycles
- Enclosure protection to IP67 - suitable for washdown
- Side or end cable exit available to assist with fitting



## Product description

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.

| Actuator types |                                  |
|----------------|----------------------------------|
| PP             | Pin plunger                      |
| RP             | Roller plunger                   |
| CR             | Cross roller plunger             |
| RL             | Roller lever                     |
| PPP            | Panel mount pin plunger          |
| PRP            | Panel mount roller plunger       |
| PCR            | Panel mount cross roller plunger |

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.

## Specifications

|              |   |
|--------------|---|
| Actuator     | Roller Lever                                |
| Annual usage | 8 cycles per hour/24 hours per day/365 days |

|                                    |  |
|------------------------------------|--|
| <b>Approvals</b>                   | ISO 14119, EN60947-5-1, UL 508               |
| <b>Cable</b>                       | End Exit                                     |
| <b>Cable length</b>                | 2 m  |
| <b>Central Material</b>            | Plastic                                      |
| <b>Contacts</b>                    | 2NC 1NO                                      |
| <b>IP Class</b>                    | IP67   |
| <b>Mechanical reliability B10d</b> | 2.5x10 <sup>8</sup> operations at 100mA load |
| <b>MTTFd</b>                       | 356 Years                                    |
| <b>Operating temperature</b>       | -25C +80C                                    |
| <b>PFHd</b>                        | 3.44 x 10 <sup>-8</sup>                      |
| <b>Rated insulation voltage</b>    | 300Vac                                       |
| <b>Thermal current (Ith)</b>       | 10   |

