

## IDEM SAFETY LIMIT SWITCHES LSMM (METAL BODY)

172021

LSMM P Mt Roller Plunger side '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
- Unique 3 pole positively operated contacts



### 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 LSMM 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.

### TECHNICAL DATA

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

|                             |  |
|-----------------------------|--|
| Approvals                   | ISO 14119, EN60947-5-1, UL 508               |
| Cable                       | Side Exit                                    |
| Cable length                | 2 m  |
| Contacts                    | 2NC 1 NO                                     |
| Housing material            | Die cast metal                               |
| IP class                    | IP67   |
| Mechanical reliability B10d | 2.5x10 <sup>6</sup> operations at 100mA load |
| MTTFd                       | 356 Years                                    |
| PFHd                        | 3.44 x 10 <sup>-8</sup>                      |
| Rated insulation voltage    | 300Vac                                       |
| Thermal current (Ith)       | 10 A   |

