

IDEM SAFETY LIMIT SWITCHES LSPS-R (PLASTIC BODY WITH RESET)

173043

LSPS-R Roller Lever M20 '1NC 1NO' Snap

- Positive opening safety contacts to IEC60947-5-1
- Lockable head mechanism
- Choice of 8 actuator heads: Linear and Rotary actions.
- Enclosure protection to IP67, suitable for washdown.
- Conduit entries: M20 1/2" NPT or Quick Connect.



PRODUCT DESCRIPTION

IDEM's LSPS-R range of Plastic Body Safety Limit Switches with Manual Reset are designed to be mounted for position sensing of moving applications, e.g. guard doors, conveyors, machine beds, elevators.

Operation

Operation of IDEM Safety Limit Switches is achieved by a sliding actuation of the moving object to cause deflection of the switch plungers, rollers or levers. In addition to the standard LSPS switch they are equipped with a manual reset which needs to be operated after the lock is engaged.

TECHNICAL DATA

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|-----------------------------|---|
| Actuator | Roller Lever |
| Annual usage | 8 cycles per hour/24 hours per day/365 days |
| Approvals | ISO 14119, EN60947-5-1, EN60204-1, ISO 13849-1, EN62061, UL 508 |
| Conduit entry | M20 |
| Contacts | 1NC 1NO |
| Housing material | Glass-filled polyester |
| Integrated reset button | Yes |
| IP class | IP67 |
| Mechanical reliability B10d | 2.5x10 ⁶ operations at 100mA load |
| MTTFd | 356 years |
| Operating temperature | -25C +80C |
| PFHd | 3.44 x 10 ⁻⁸ |

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|--------------------------|--------|
| Rated insulation voltage | 300Vac |
| Thermal current (Ith) | 10 A |