



# IDEM SAFETY LIMIT SWITCHES LSPS (PLASTIC BODY)

171016  
LSPS Roller Plunger M20 '1NC 1NO' Snap

- Positive opening safety contact to EN60947-5-1
- 11 actuator heads - linear, rotary, roller or flexible actions
- High mechanical life over 10,000,000 cycles
- Enclosure protection to IP67 - suitable for washdown
- Conduit entries available: M20, 1/2"NPT or Quick Connect optio



## Product description

IDEM's extensive range of LSPS Safety Limit Switches have been 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, roller plungers or spring levers and are available with either slow break or snap action contacts.

Actuator types		
		
PP	Pin plunger	
RP	Roller plunger	
HL	Hinge lever	
LHL	Long hinge lever	
RL	Roller lever	
ARL	Adjustable roller lever	
LA	Large roller lever	
CW	Cats whisker	
PSL	Plastic spring lever	
SL	Spring lever	

## Operation

Operation of LSPS Safety Limit Switches is achieved by a sliding actuation of the moving object to cause deflection of the switch plungers, rollers, levers or flexible actuators.

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 plunger
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
Central Material	Glass-filled polyester
Conduit entry	M20
Contacts	1NC 1 NO
IP Class	IP67
Mechanical reliability B10d	2.5x10 <sup>6</sup> operations at 100mA load
MTTFd	356 Years
Operating temperature	-25C +80C
PFHd	3.44 x 10 <sup>-8</sup>
Rated insulation voltage	300Vac
Thermal current (Ith)	10

