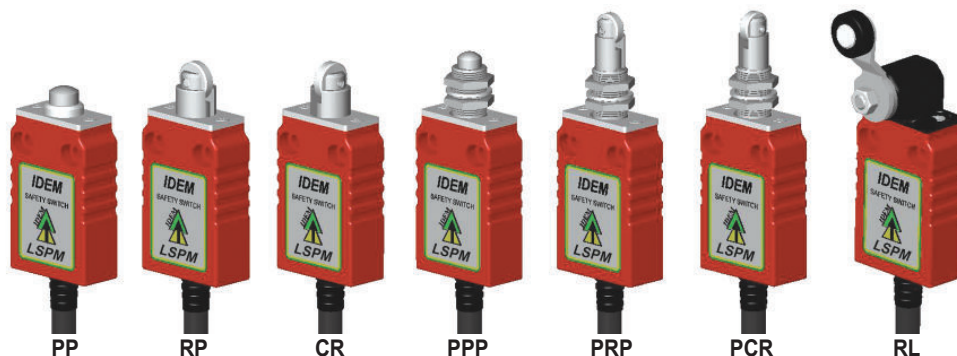


Safety Limit Switches Type: LSPM (Plastic Body)

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:

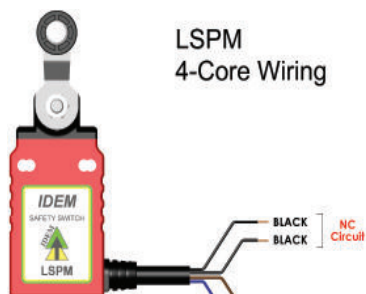
- Standard Duty with plastic body (red colour)
- Positive opening NC safety contacts to EN60947-5-1
- High mechanical life over 5,000,000 cycles
- Enclosure protection to IP67 - suitable for washdown
- Unique 3 pole positively operated contacts
- Extensive choice of 7 actuator heads - linear and rotary
- Side or end cable exit available to assist with fitting
- Wide operating temperature range from -25C up to +80C

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.

WIRING:



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

CONTACT BLOCKS:

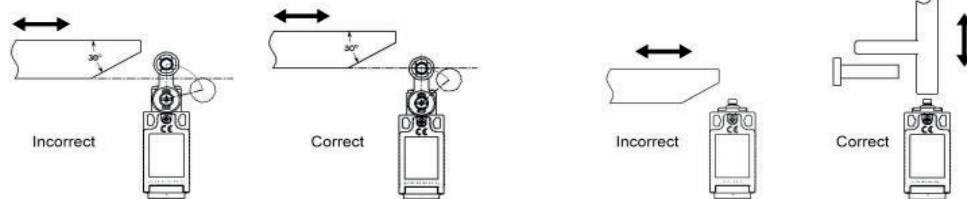
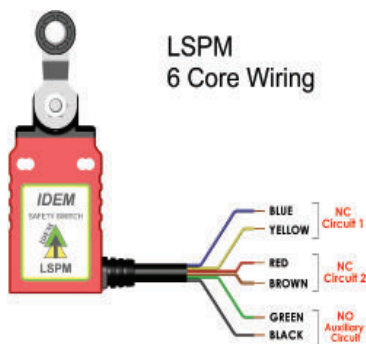
- 2NC 1NO Slow Break
 1NC 1NO Snap Action

CONDUIT EXIT:

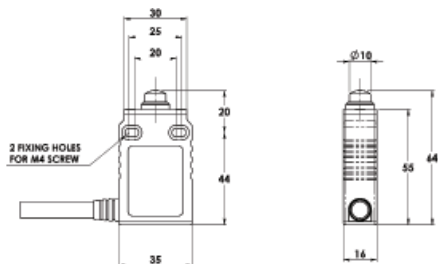
- S Side Exit version
 E End Exit version

Standards: ISO14119 EN60947-5-1 UL508

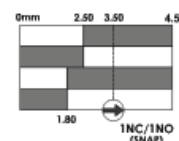
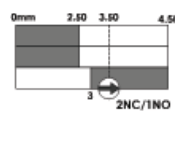
| Safety Classification and Reliability Data: | |
|---|---|
| Mechanical Reliability B10d | 2.5x10 ⁶ operations at 100mA load |
| ISO13849-1 | Up to PLE depending upon system architecture |
| EN62061 | Up to SIL3 depending upon system architecture |
| Safety Data - Annual Usage | 8 cycles per hour/24 hours per day/365 days |
| | MTTFd 356 years |
| Utilisation Category | AC15 A300 240V 3A |
| Thermal Current (Ith) | 10A |
| Rated Insulation Voltage | 300Vac |
| Rated Impulse Withstand | 2500Vac |
| Insulation Resistance | 100MΩ min. |
| Max. Switching Speed | 250mm/sec |
| Max. Switching Frequency | 6,000 operations per hr. |
| Case Material | Plastic |
| Roller Material | Various polymers |
| Enclosure Protection | IP67 |
| Operating Temperature | -25C to +80C |
| Mechanical Life Expectancy | 5,000,000 |
| Vibration | IEC68-2-6 10-55Hz 0.35mm 1octave/min |
| Conductor Size | 1.5mm ² 4 core or 6 core |
| Cable OD | 8mm max. |
| Fixing | 2xM4 |
| Cable Length | 2m |



LSPM (Plastic Body) PIN PLUNGER:



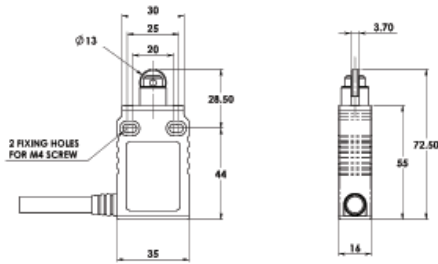
| LSPM PIN PLUNGER | SALES NUMBERS | |
|------------------|-----------------|----------------|
| | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 170001 | 170003 |
| 1NC 1NO Snap | 170002 | 170004 |



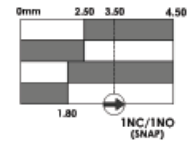
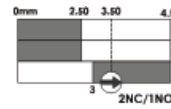
Safety Limit Switches Type: LSPM (Plastic Body)



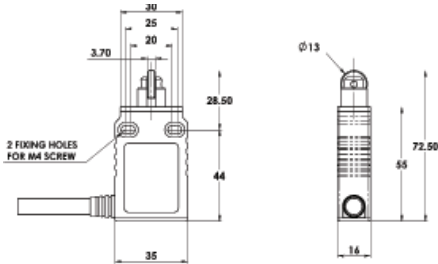
LSPM (Plastic Body) ROLLER PLUNGER:



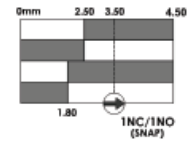
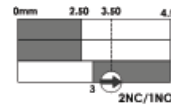
| LSPM ROLLER PLUNGER | SALES NUMBERS | |
|---------------------|-----------------|----------------|
| Contacts | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 170005 | 170007 |
| 1NC 1NO Snap | 170006 | 170008 |



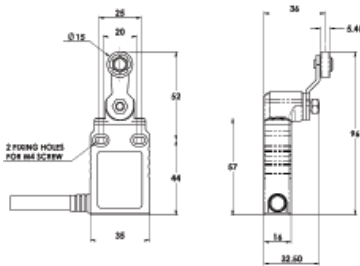
LSPM (Plastic Body) CROSS ROLLER PLUNGER:



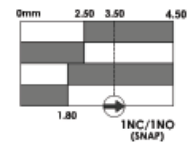
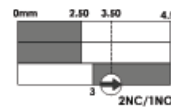
| LSPM CROSS ROLLER PLUNGER | SALES NUMBERS | |
|---------------------------|-----------------|----------------|
| Contacts | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 170009 | 170010 |
| 1NC 1NO Snap | 170011 | 170012 |



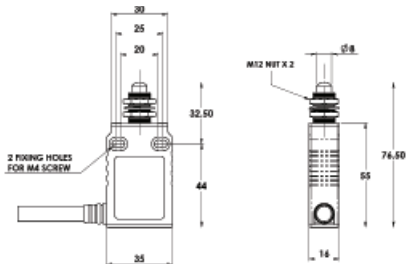
LSPM (Plastic Body) ROLLER LEVER:



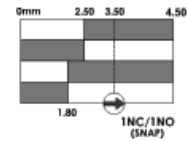
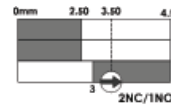
| LSPM ROLLER LEVER | SALES NUMBERS | |
|-------------------|-----------------|----------------|
| Contacts | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 170013 | 170014 |
| 1NC 1NO Snap | 170015 | 170016 |



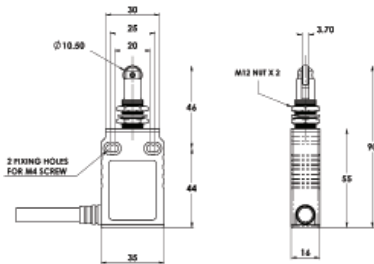
LSPM (Plastic Body) PANEL MOUNT PIN PLUNGER:



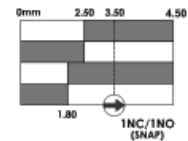
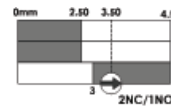
| PANEL MOUNT PIN PLUNGER | SALES NUMBERS | |
|-------------------------|-----------------|----------------|
| Contacts | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 170017 | 170018 |
| 1NC 1NO Snap | 170019 | 170020 |



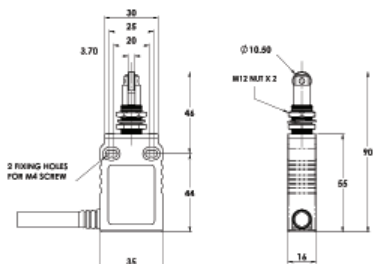
LSPM (Plastic Body) PANEL MOUNT ROLLER PLUNGER:



| PANEL MOUNT ROLLER PLUNGER | SALES NUMBERS | |
|----------------------------|-----------------|----------------|
| Contacts | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 170021 | 170022 |
| 1NC 1NO Snap | 170023 | 170024 |



LSPM (Plastic Body) PANEL MOUNT CROSS ROLLER PLUNGER:



| PANEL MOUNT CROSS ROLLER PLUNGER | SALES NUMBERS | |
|----------------------------------|-----------------|----------------|
| Contacts | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 170025 | 170026 |
| 1NC 1NO Snap | 170027 | 170028 |

