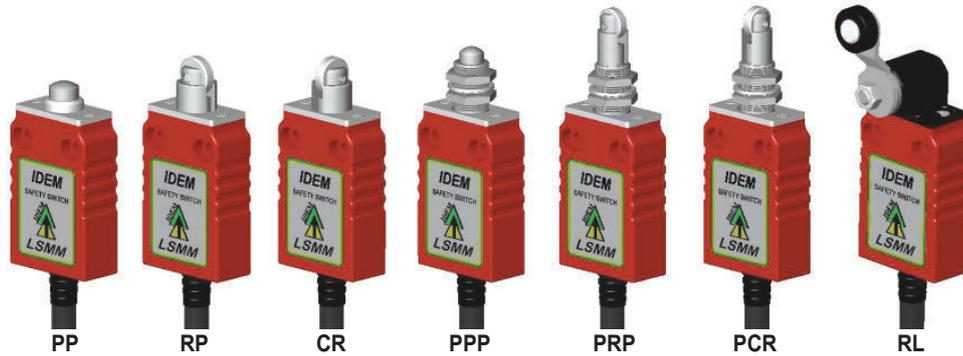


Safety Limit Switches Type: LSMM (Metal Body)

APPLICATION:



IDEM's range of LSMM 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 or snap action contacts.



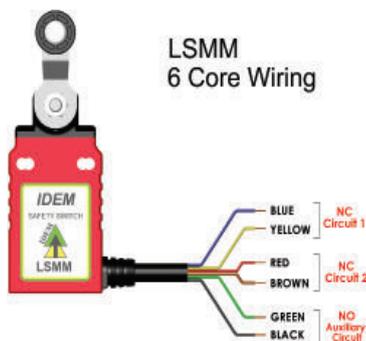
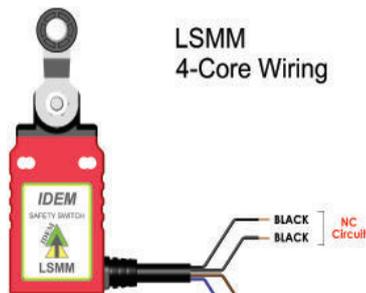
FEATURES:

- Heavy Duty Die-Cast metal body (painted red)
- Positive opening NC safety contact 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 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.

WIRING:



ACTUATOR TYPES:

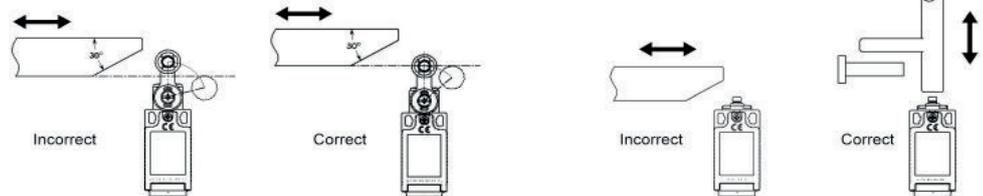
- PP Pin Plunger
 RP Roller Plunger
 CR Cross Roller Plunger
 RL Roller Lever
 PPP Panel Mount Pin Plunger
 PRP Panel Mount Roller Plunger
 PCR Panel Mount Cross Roller Plunger

CONTACT BLOCKS:

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

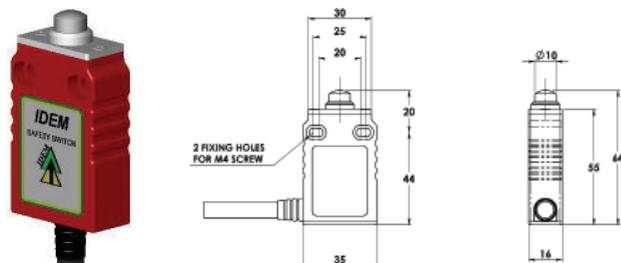
CONDUIT EXIT:

- S Side Exit version
 E End Exit version

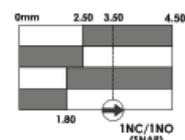
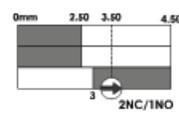


| Standards: | | ISO14119 EN60947-5-1 UL508 |
|--|------------|--------------------------------------|
| Safety Classification and Reliability Data: | | |
| Mechanical Reliability B10d | ISO13849-1 | EN62061 |
| Safety Data - Annual Usage | PFHd | Proof Test Interval (Life) |
| | | 35 years |
| | | 356 years |
| | | Utilisation Category |
| | | AC15 A300 240V 3A |
| | | Thermal Current (Ith) |
| | | 10A |
| | | Rated Insulation Voltage |
| | | 300Vac |
| | | Rated Impulse Withstand |
| | | 2500Vac |
| | | Insulation Resistance |
| | | 100MΩmin |
| | | Max. Switching Speed |
| | | 250mm/sec |
| | | Max. Switching Frequency |
| | | 6,000 operations per hour |
| | | Case Material |
| | | Die-Cast Metal (painted red) |
| | | 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 |

LSMM (Die-Cast Metal Body) PIN PLUNGER:



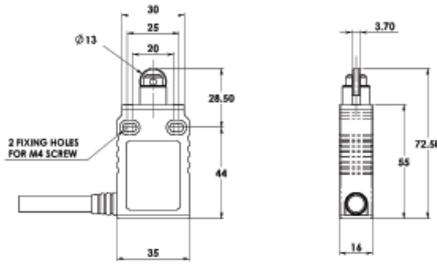
| LSMM PIN PLUNGER | SALES NUMBERS | |
|------------------|-----------------|----------------|
| | Cable Side Exit | Cable End Exit |
| Contacts 2NC 1NO | 172001 | 172003 |
| 1NC 1NO Snap | 172002 | 172004 |



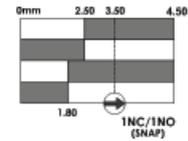
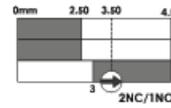
Safety Limit Switches Type: LSMM (Metal Body)



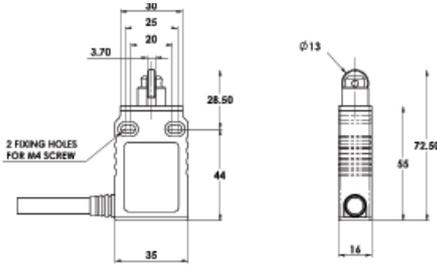
LSMM (Die-Cast Metal Body) ROLLER PLUNGER:



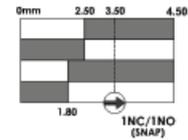
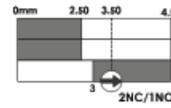
| LSMM ROLLER PLUNGER | SALES NUMBERS | |
|---------------------|-----------------|----------------|
| Contacts | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 172005 | 172007 |
| 1NC 1NO Snap | 172006 | 172008 |



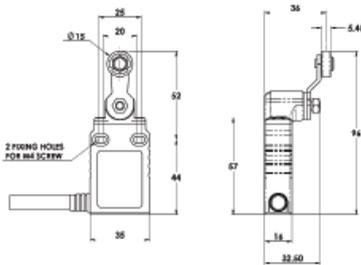
LSMM (Die-Cast Metal Body) CROSS ROLLER PLUNGER:



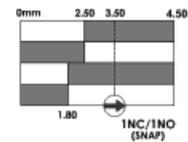
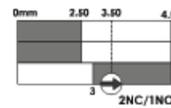
| LSMM CROSS ROLLER PLUNGER | SALES NUMBERS | |
|---------------------------|-----------------|----------------|
| Contacts | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 172009 | 172010 |
| 1NC 1NO Snap | 172011 | 172012 |



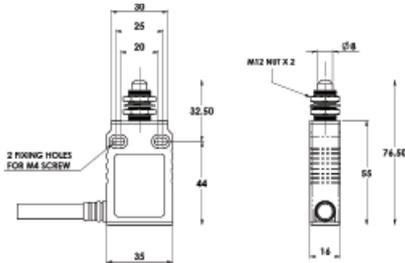
LSMM (Die-Cast Metal Body) ROLLER LEVER:



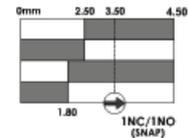
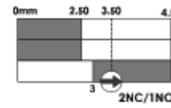
| LSMM ROLLER LEVER | SALES NUMBERS | |
|-------------------|-----------------|----------------|
| Contacts | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 172013 | 172014 |
| 1NC 1NO Snap | 172015 | 172016 |



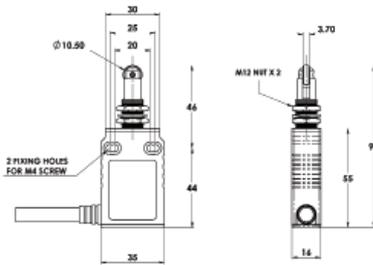
LSMM (Die-Cast Metal Body) PANEL MOUNT PIN PLUNGER:



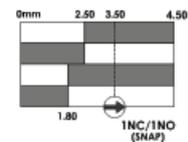
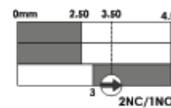
| PANEL MOUNT PIN PLUNGER | SALES NUMBERS | |
|-------------------------|-----------------|----------------|
| Contacts | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 172017 | 172018 |
| 1NC 1NO Snap | 172019 | 172020 |



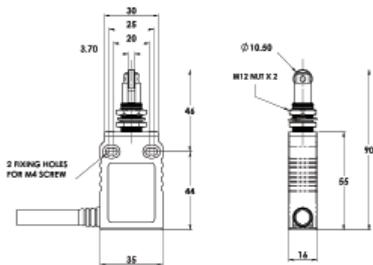
LSMM (Die-Cast Metal Body) PANEL MOUNT ROLLER PLUNGER:



| PANEL MOUNT ROLLER PLUNGER | SALES NUMBERS | |
|----------------------------|-----------------|----------------|
| Contacts | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 172021 | 172022 |
| 1NC 1NO Snap | 172023 | 172024 |



LSMM (Die-Cast Metal Body) PANEL MOUNT CROSS ROLLER PLUNGER:



| PANEL MOUNT CROSS ROLLER PLUNGER | SALES NUMBERS | |
|----------------------------------|-----------------|----------------|
| Contacts | Cable Side Exit | Cable End Exit |
| 2NC 1NO | 172025 | 172026 |
| 1NC 1NO Snap | 172027 | 172028 |

