

Safety Limit Switches with Small Latch (Key)

Double Insulation - Plastic Casing NEMA-1 - 30 and 40 mm Width
Metal Casing NEMA-4X - 30 and 40 mm Width

Applications

Easy to use, the limit switches with small latch (key) offer specific qualities:

- Visible operation.
- Capability for strong current switching (conventional thermal current 10 A).
- Opening guaranteed of the "N.C." contact(s) when the small latch is withdrawn from the limit switch.
- Contact blocks with dependent action and positive opening operation of the "N.C." normally closed contact(s) (symbol ⊖).
- Electrically separated contacts.
- Precision on operation positions (consistency).
- Immunity to electromagnetic disturbances.

These specific features make the limit switches ideal for monitoring and protection of industrial machines without inertia in which down-time is less than access time to the dangerous area. Use on sliding or pivoting protectors (covers, cases, doors, grids, etc.).

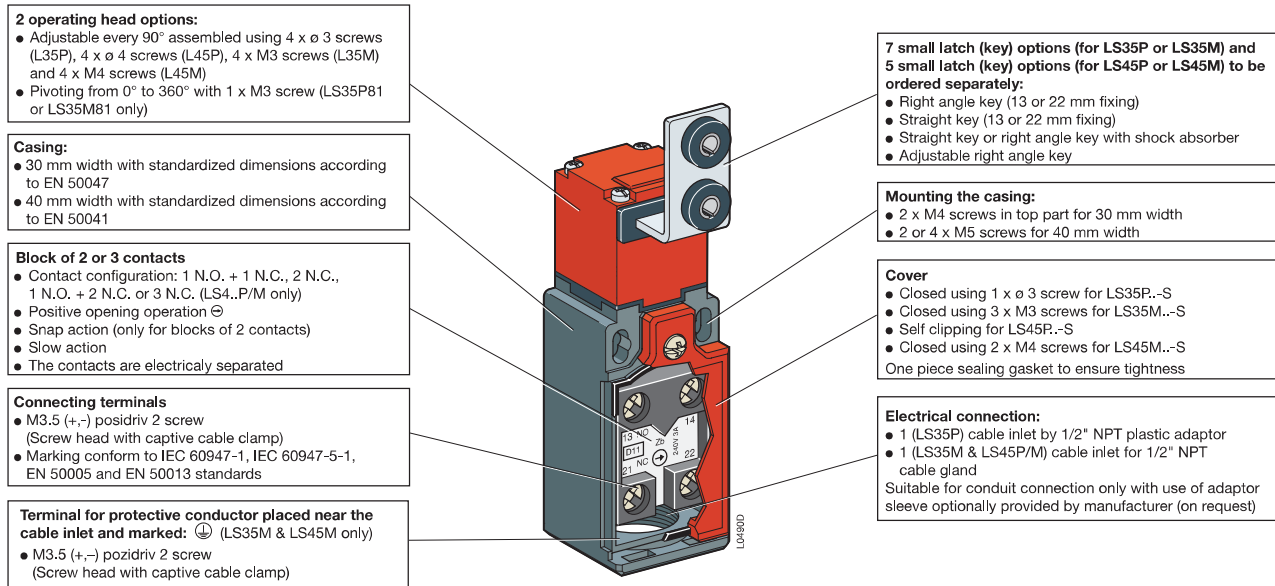
- They contribute to protection of operators working on dangerous machines, by opening the control circuit. Withdrawal of the small latch (key) by opening the mobile protector causes immediate stopping of the machine drive.
- Associated with other standard limit switches and safety switching devices, they produce automatic control circuits meeting standard EN 954-1.
- They comply with the requirements of European Directives (Low Voltage, Machines and Electromagnetic Compatibility) and are conform to European and international standards.

Description

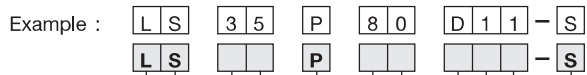
LS35P.-S (30 mm width) and **LS45P.-S** (40 mm width) safety limit switches with key, which are made of fibre-glass reinforced UL-V0 thermo-plastic material, offer double insulation □ and a degree of protection NEMA-1.

LS35M..-S (30 mm width) safety limit switches with key, which are made of zinc alloy (zamak), have a degree of protection NEMA-4X.

LS45M..-S (40 mm width) safety limit switches with key, which are made of aluminium alloy, have a degree of protection NEMA-4X.



Type



Limit Switch.....LS	SSafety device
Casing width: 30 mm.....3	<p>Contact types:</p> <p>11 1 N.O. + 1 N.C. contacts</p> <p>12 1 N.O. + 2 N.C. contacts (LS45P. or LS45M.. only)</p> <p>02 2 N.C. contacts</p> <p>03 3 N.C. contacts (LS45P. or LS45M.. only)</p>
1 cable inlet by 1/2" NPT plastic adaptor (LS35P) or 1/2" NPT for cable gland (LS35M).....5	
Casing width: 40 mm.....4	<p>Snap action:</p> <p>BZb Snap (for 1 N.O. + 1 N.C. and 2 N.C. contacts only)</p> <p>Dependent (slow) action:</p> <p>LSlow / Simultaneous</p> <p>DZb Non-overlapping late make</p> <p>CZb Overlapping early make (for 1 N.O. + 1 N.C. contacts only)</p>
1 cable inlet for 1/2" NPT cable gland.....5	
Plastic casing.....P	<p>Operating heads: (see panorama)</p> <p>80Adjustable every 90°</p> <p>81Continuously pivoting from 0° to 360° (LS35P & LS35M only)</p>
Metal casing.....M	

Safety Limit Switches with Small Latch (Key)

Metal Casing NEMA-4X - 30 and 40 mm Width
Plastic Casing NEMA-1 - 30 and 40 mm Width



LS35P80D11-S



LS35M80D11-S



LS45P80D12-S



LS45M80D12-S



LSA30P08

LS35P: 1 cable inlet by 1/2" NPT plastic adaptor
LS35M: 1 cable inlet for 1/2" NPT cable gland

Plastic Casing - NEMA-1 - 30 mm Width
Metal Casing - NEMA-4X - 30 mm Width

Ordering Details - Product without Small Latch (Key)

Contact blocks	Catalog number	List price
<p>D11 L02</p>		

Plastic Limit Switches with Adjustable Head Every 90°

1	-	LS35P80D11-S
-	1	LS35P80L02-S

Metal Limit Switches with Adjustable Head Every 90°

1	-	LS35M80D11-S
-	1	LS35M80L02-S

LS45M: 1 cable inlet for 1/2" NPT cable gland

Ordering Details - Product without Small Latch (Key)

Contact blocks	Catalog number	List price
<p>D12 L03</p>		

Plastic Limit Switches with Adjustable Head Every 90°

1	-	LS45P80D12-S
-	1	LS45P80L03-S

Metal Limit Switches with Adjustable Head Every 90°

1	-	LS45M80D12-S
-	1	LS45M80L03-S

Ordering Details - Small Latch (Key)

Description of key	Fixing mm	Catalog number	List price
Small Latch (Keys) for LS3..P.. or LS3..M..			
Right angle key	13	LSA30P05	
Straight key	13	LSA30P06	
Right angle key with shock absorber	15	LSA30P07	
Straight key with shock absorber	15	LSA30P08	
Adjustable angle key	40	LSA30P09	
Small Latch (Keys) for LS4..P.. or LS4..M..			
Right angle key	13	LSA40X05	
Straight key	13	LSA40X06	
Right angle key with shock absorber	15	LSA40X07	
Straight key with shock absorber	15	LSA40X08	
Adjustable angle key	40	LSA40X09	