

Safety Limit Switches – Type LSPS EN 50047 – Plastic Body



Features:

- Positive opening safety contacts to IEC 947-5-1
- Choice of 11 actuator heads Linear, Rotary and Flexible actions
- High Mechanical Life - 10,000,000 cycles
- Head position adjustment any of 4 positions
- Enclosure Protected to IP 66/67 - washdown suitable
- Conduit entries: M20 ½" NPT or Quick connect
- Wide operating temperature -25C to 80C.

Actuator types:

- PP: Pin plunger
- RP: Roller plunger
- HL: Hinge lever
- LHL: Long Hinge lever
- RL: Roller lever
- ARL: Adjustable Roller Lever
- LRL: Large Roller Lever
- LA: Lever Arm
- CW: Cats Whisker
- PSL: Plastic Spring Lever
- SL: Spring Lever

Conduit entry

- M – M20
- N – ½" NPT
- Q – Quick connect

Contacts

- 2NC 1NO
- 3NC
- 1NC 1NO Snap

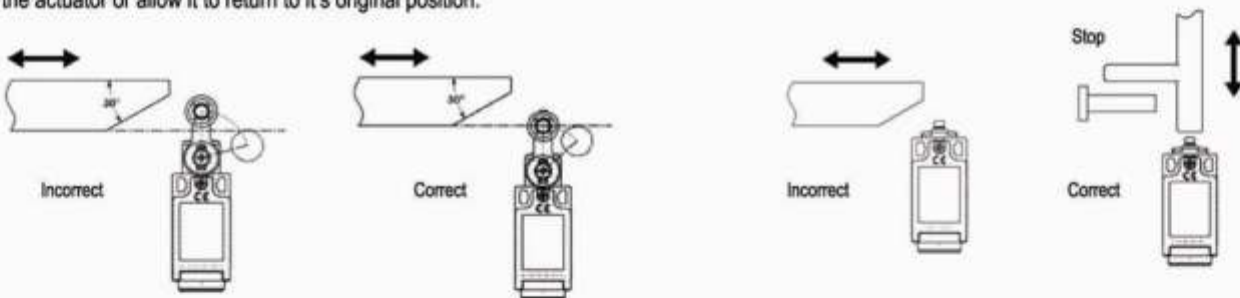
Contact Blocks :	2NC 1NO	3NC	1NC 1NO	Slow break	Slow break	Snap action

Application:

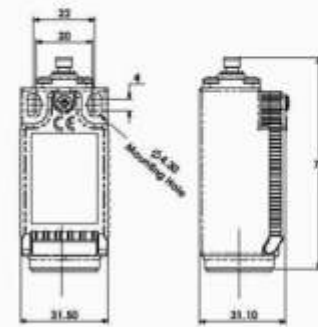
IDEM Safety Limit switches are designed to be mounted for position sensing of moving applications e.g. guard doors, conveyors, machine beds, elevators. They are available with linear plungers, rotary levers or roller plungers and either slow or snap action contacts.

Operation:

Operation of the 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 the actuator or allow it to return to it's original position.



Standards	EN50047 EN1088 IEC 947-5-1 UL508
Approvals	cULus TÜV
Utilization Category	AC15 A300 240V. 3A.
Thermal Current (Ith)	10A
Rated Insulation Voltage	300VAC
Rated Impulse Withstand Volt	2500VAC
Insulation Resistance	100MΩmin.
Max. Switching Speed	250mm/s
Max. Switching Frequency	6,000 operation per hour
Case Material	UL approved glass-filled 5VA
Roller Material	Various Polymers
Enclosure Protection	IP67
Operating Temperature	Min. -25°C Max 80°C
Mechanical Life Expectancy	10 x 10 ⁷ min.
Vibration	IEC 68-2-6, 10-55Hz 0.35mm, 1 octave/min
Conduit Entry	M20 or ½" NPT
Fixing	2 x M4



Outline fixing dimensions mm

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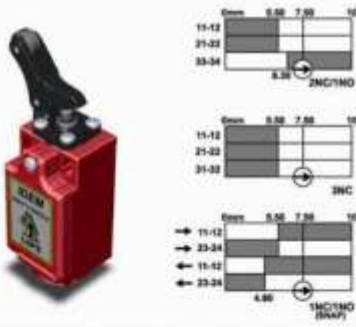
Sales Numbers Pin Plunger			
Contacts	M20	½"NPT	QC
2NC 1NO	171001	171002	171003
3NC	171004	171005	171006
1NC 1NO Snap	171007	171008	171009



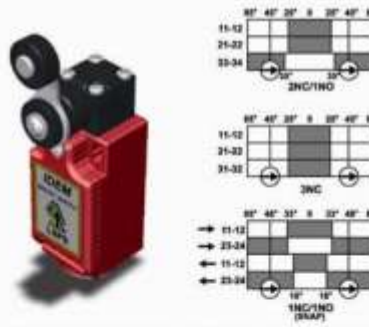
Sales Numbers Roller Plunger			
Contacts	M20	½"NPT	QC
2NC 1NO	171010	171011	171012
3NC	171013	171014	171015
1NC 1NO Snap	171016	171017	171018



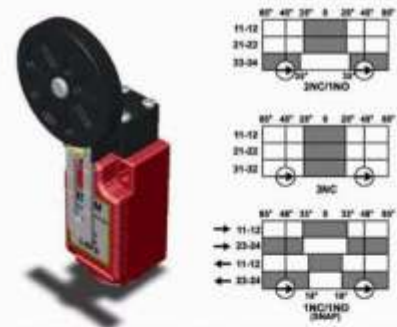
Sales Numbers Hinge Lever			
Contacts	M20	½"NPT	QC
2NC 1NO	171019	171020	171021
3NC	171022	171023	171024
1NC 1NO Snap	171025	171026	171027



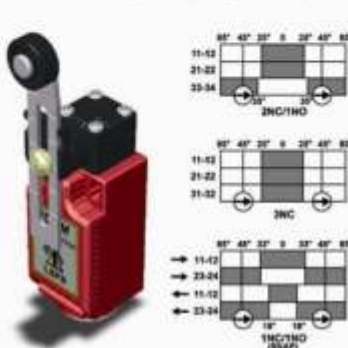
Sales Numbers Long Hinge Lever			
Contacts	M20	½"NPT	QC
2NC 1NO	171028	171029	171030
3NC	171031	171032	171033
1NC 1NO Snap	171034	171035	171036



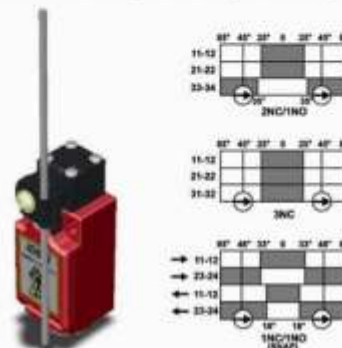
Sales Numbers Roller Lever			
Contacts	M20	½"NPT	QC
2NC 1NO	171037	171038	171039
3NC	171040	171041	171042
1NC 1NO Snap	171043	171044	171045



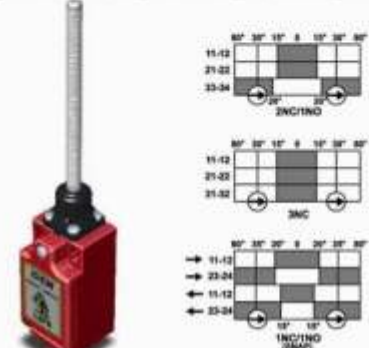
Sales Numbers Large Roller Lever			
Contacts	M20	½"NPT	QC
2NC 1NO	171046	171047	171048
3NC	171049	171050	171051
1NC 1NO Snap	171052	171053	171054



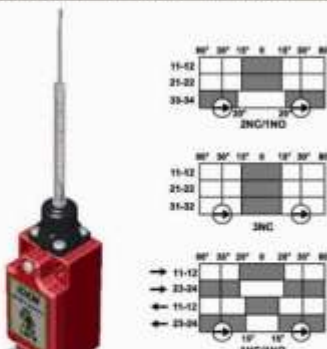
Sales Numbers Adjustable Roller Lever			
Contacts	M20	½"NPT	QC
2NC 1NO	171055	171056	171057
3NC	171058	171059	171060
1NC 1NO Snap	171061	171062	171063



Sales Numbers Rod Lever			
Contacts	M20	½"NPT	QC
2NC 1NO	171064	171065	171066
3NC	171067	171068	171069
1NC 1NO Snap	171070	171071	171072



Sales Numbers Spring Lever			
Contacts	M20	½"NPT	QC
2NC 1NO	171091	171092	171093
3NC	171094	171095	171096
1NC 1NO Snap	171097	171098	171099



Sales Numbers Cats Whisker			
Contacts	M20	½"NPT	QC
2NC 1NO	171073	171074	171075
3NC	171076	171077	171078
1NC 1NO Snap	171079	171080	171081



Sales Numbers Plastic Spring Lever			
Contacts	M20	½"NPT	QC
2NC 1NO	171082	171083	171084
3NC	171085	171086	171087
1NC 1NO Snap	171088	171089	171090

