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IDEM SAFETY LIMIT SWITCH HLM-SS (STAINLESS STEEL)

175055
HLM-SS Roller Plunger ½NPT '3NC 1NO'



- Heavy duty Stainless Steel 316 bodies
- Positive opening NC safety contact
- High mechanical life over 5,000,000 cycles
- Large choice of actuator heads
- IP69K Suitable for washdown

PRODUCT DESCRIPTION

IDEM's HLM range of heavy duty Stainless Steel 316 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 an extensive range of actuator heads and can be supplied with either slow break or snap action contacts.

Operation
Operation of IDEM Safety Limit Switches is achieved by a sliding actuation of the moving object to cause deflection of the switch plungers, rollers 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.

TECHNICAL DATA

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
ATEX approved	No
Cable entry	1x1/2"NPT
Conductor size	1.5 mm²
Conduit entry	1/2"NPT
Connection	Screw terminal
Contact voltage/current min	5V, 5mA, DC
Contacts	3NC 1NO
Housing material	Stainless steel 316

IP class	IP69K
Material of body	Stainless steel 316
Maximum switching speed	250 mm/s
Mechanical reliability B10d	2.5x10⁶ operations at 100mA load
Mounting	M5
MTTFd	356 years
Operating temperature	-25C +80C
PFHd	3.44 x 10^{-8}
PL	up to PLe acc. ISO13849-1
Rated insulation voltage	300 V AC
SIL	up to SIL 3 acc. EN62061
Thermal current (Ith)	10 A
Utilisation category	AC15 A300 240V 3A
Vibration	IEC 68-2-6, 10-55Hz 0,35mm
Withstand voltage	2500 V AC

