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IDEM STAINLESS STEEL IP69K SAFETY INTERLOCK SWITCH MK1-SS

224002PF
MK1-SS ½NPT '2NC 1NO' PF actuator

- Compact with 22mm fixing centres
- Mirror polished finish
- Small 30mm wide x 99mm long
- Replaceable contact blocks
- Standard or flexible actuator

PRODUCT DESCRIPTION

IDEM's new MK1-SS Compact Safety Interlock switches are designed to provide position interlock detection for small moving guards.
They are designed to fit to the leading edge of sliding, hinged or lift off machine guards.
Mirror polished surface finish to RA10 makes the MK1-SS ideally suited to the food processing and packaging environments.
The rugged Stainless Steel actuator profile is designed to match a cam mechanism to provide a positively operated not easily defeatable interlock mechanism.
The compact body, 30mm wide with 22mm fixing centres and rotatable head make them easy to install where space is restricted.
The rotatable heads have dual actuator entry positions to give up to 8 different entry positions.
A Plastic Flexible Actuator is available for tight radius guards.
Contact blocks are replaceable.

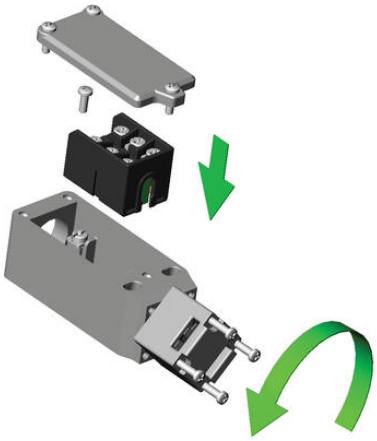
The head can be rotated to give 8 actuator entry positions.

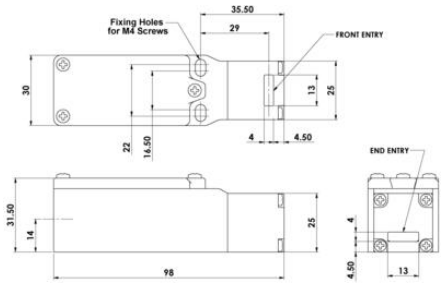
Designed with a removable lid to fit replaceable contact blocks. For extra durability flexible actuators are available.

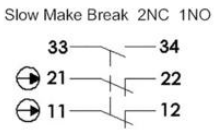
TECHNICAL DATA

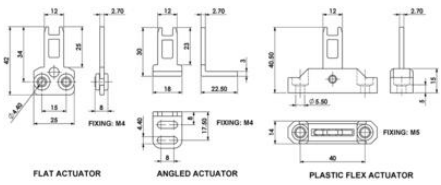
Actuator	Plastic flexible
Annual usage	8 cycles per hour/24 hours per day/365 days
Approvals	ISO 14119, EN60947-5-1, EN60204-1, ISO 13849-1, EN62061, UL 508
ATEX approved	No
Conduit entry	1/2" NPT
Contacts	2NC 1NO
Head material	Stainless steel 316
Housing material	Stainless steel 316

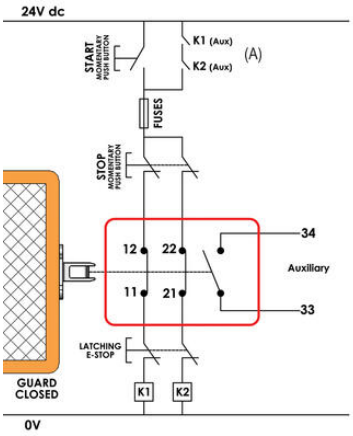
IP class	IP69K
Maximum approach / withdrawal speed	600 mm/s
Mechanical reliability B10d	2.5 x 10^6 operations at 100mA load
Mounting	2 x M4
MTTFd	356 years
Operating temperature	-25..80°C
PFHd	3.44 x 10^{-8}
PL	e acc. ISO13849-1
Rated insulation voltage	600V ac
SIL	3 acc. EN62061
Thermal current (Ith)	5 A
Travel for positive opening	6 mm
Withstand voltage	2500V ac



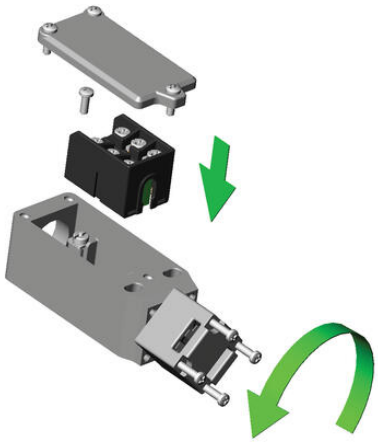




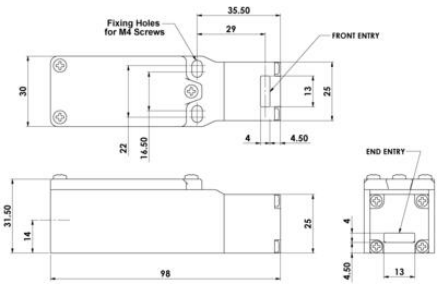


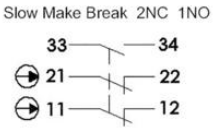

24V dc
START
K1 (Aux)
K2 (Aux)
(A)
FUSES
STOP
12
22
34
Auxiliary
11
21
33
LATCHING
E-STOP
GUARD
CLOSED
K1
K2
0V

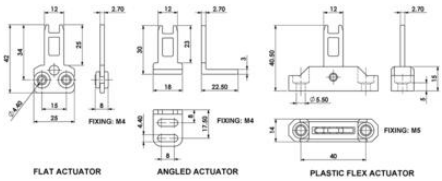
Hinged Guard
Sliding Guard
Lift Off Guard

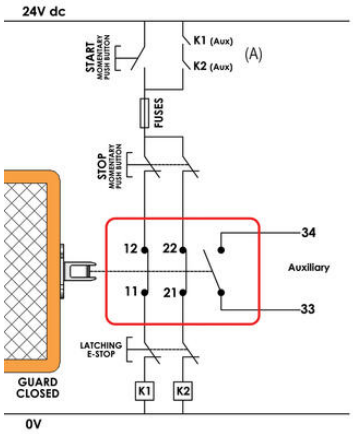


Angled
Flat
Plastic Flexible


Fixing Holes
for M4 Screws
35.50
29
FRONT ENTRY
30
13
25
22
16.50
4
4.50
END ENTRY
31.50
14
25
98
4
4.50
13


Slow Make Break 2NC 1NO
33
34
21
22
11
12


FIXING: M4
FIXING: M4
FIXING: M5
FLAT ACTUATOR
ANGLED ACTUATOR
PLASTIC FLEX ACTUATOR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LATCHING
E-STOP
GUARD
CLOSED
K1
K2
0V