Tongue Interlock Safety Switch Type: INCH-1

FEATURES:

IDEM INCH-1 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 quards.

The rugged Stainless Steel actuator profile is designed to match a cam mechanism to provide a positively operated not easily defeated interlock mechanism.

The compact body only 25mm wide with 18mm fixing centres and rotatable head make them easy to install where space is

The rotatable heads have dual actuator entry positions to give up to 8 different entry positions.

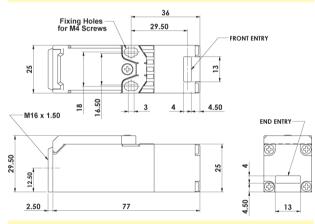
A Plastic Flexible Actuator is available for tight radius guards.

Contact blocks are replaceable 2NC or 1NC 1NO.

CONTACT BLOCK OPTIONS:



PRODUCT DIMENSIONS:



CONTACT OPERATION:

2NC:		4.0 Om		m	1NC 1NC	D: 4.	5 4.	.0 Or	mm
1	11/12	Open			11/12	Oper	ı		1
	21/22	Open			23/24			Open	



Stainless Steel Guide:

To assist with guard alignment IDEM recommend that you use the Stainless Steel Guide accessory (supplied with two stainless steel self-tapping screws).

SALES NUMBER - INCH 1 STAINLESS STEEL GUIDE



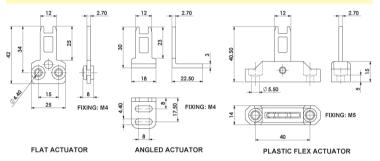
Switch Circuit	Quick Connect (QC) M12 4 Way Male (on Flying Lead 250mm) Pin View from Switch		
11/12	1 3		
21/22 or 23/24	4 2		



INCH-1 ACTUATOR OPTIONS:



ACTUATOR DIMENSIONS:



Standards:

Safety Classification and Reliability Data: Mechanical Reliability B10d

ISO13849-1 EN62061

Safety Data - Annual Usage

Utilization Category Thermal Current Rated Insulation/Withstand Voltages Travel for Positive Opening Actuator Entry Minimum Radius Maximum Approach/Withdrawal Speed Body Material Head Material **Enclosure Protection**

Vibration

Conduit Entry Fixina

ISO14119 EN60947-5-1 EN60204-1

2.5 x 106 operations at 100mA load Up to PLe depending upon system architecture Up to SIL3 depending upon system architecture 8 cycles per hour/24 hours per day/365 days

MTTFd 356 years AC15 A300 3A 10A 600Vac/2500Vac

150mm Standard 100mm Flexible 600mm/s UL approved glass fibre Polyester

Stainless Steel 316

IFC 68-2-6 10-55Hz + 1Hz Excursion 0.35mm 1 octave/min 2 x M4

		SALES NUMBER		
PRODUCT	CONTACTS	M16	QC M12 4 WAY	
INCH-1 Switch	2NC	222001	222002	
INCH-1 Switch	1NC 1NO	222003	222004	
Actuator	Flat	Add F to Sales Number		
Actuator	Angled	Add A to Sales Number		
Actuator	Plastic Flexible	Add PF to Sales Number		