



Robust die cast case, ideal for heavy duty applications

Tamper resistant design, virtually impossible to defeat

Contacts, IN/C + IN/O (sealed to IP66)

Conforms to EN 1088, EN 292, EN 60947-5-1, EN 60204-1

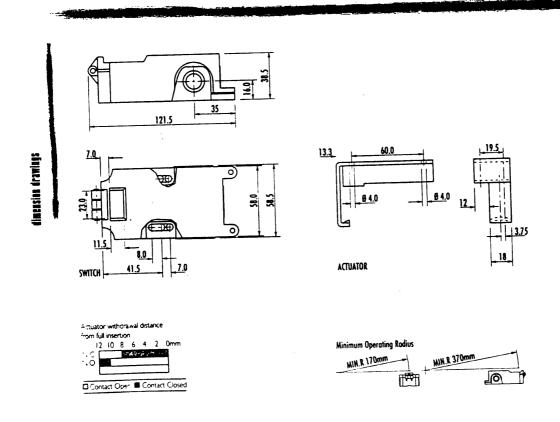


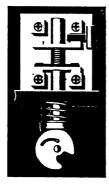
The Isomag 4 is a heavy duty tongue (or key) actuated safety interlock switch designed to fit at the opening edge of sliding, hinged or lift off guards. The Isomag works in any position, accepts considerable guard wear and is unaffected by vibration.

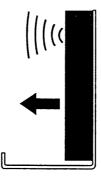
The Isomag 4 features a compact housing only  $122 \times 58 \times 39$  mm and includes all the necessary safety related functions, such as forced guided contacts and a tamper resistant mechanism allowing machinery to be safeguarded in full compliance with the machinery directive.

The Isomag 4 has 1N/C safety contact and 1N/O auxiliary contact and has a die cast housing. The unit is sealed to IP66 and has 3 conduit entries, M20 or Pg11. The die cast case hinges open allowing authorised personnel quick and easy access to the IP66 internal switch unit in the event of the unit requiring cleaning.

Operation of the switch is achieved by the insertion of the specially profiled actuator which should be permanently fixed to the leading edge of the guard door. The Isomag 4 incorporates a unique tamper resistant barrier system ensuring only the Isomag 4's actuator can operate the switch.

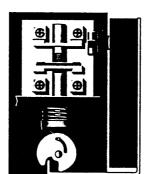




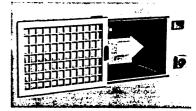


application examples

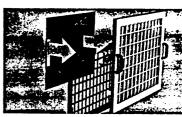
Positive operation, forced disconnection of the safety contacts. The safety contacts can only be made once the barrier system is operated by the actuator.



Note: these are simplified illustrations only intended to show operating principle.







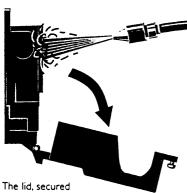
If necessary a flap can be used to prevent initial lifting of the non interlocked edge.



Contact



## Easily cleaned



by two tamper resistant screws can be hinged open to give access for cleaning purposes.

Conforming to standards	EN60947-5-1, EN1088, EN292, EN60204-1		
Safety contact arrangement	IN/C break before make positive break		
Utilisation cat.	AC 15		
ac (Ue)	500V 250V 100V		
(le)	IA 2A 5A		
d.c	250V 0.5A, 125V 1A, 24V 2A		
Max. switched loac	500VA		
Thermal current (thn)	IOA		
Minimum current	5V 5mA		
Safety contact gap	>2.6mm		
Rtd. insulation voltage	(Ui) 500V		
Rtd. impulse withstand voltage	(Uimp) 2500V		
Auxiliary contact	IN/O		
Pollution degree	3		
Actuator travel for positive opening	8mm		
Max. actuation speed	160mm per sec		
Tlax actuation frequency	I Cycle per sec		
Case material	Die cast alloy		
Actuator material & magnet housing	Pressed steel chrome plated & moulded ABS		
rrotection	IP66		
Conduit entry	3 x M20 or Pg 11		
Operating temperature	-25°C to +80°C		
rixing	Switch 2 x M5 - Actuator 2 x M4		
Mounting	Any position		
Mechanical life	1 x 106		
Weight	400e		
Colour	Red		

Note: The safety corracts of the Guardmaster switches are described as normally closed  $\theta$  . It is such that Le with the guard dosed, actuator in place (where relevant) and the machine able to be staffed

Туре	Contacts	Conduit	Part no.
isomag 4	INC+INO	IxM20	01013
Isomag 4	IN/C+IN/O	1xPg11	01014
Spare actuator			01005

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