MECHAN - MAGNASAFE

MS5-21-DC-03M
MAGNASAFE,2NO,1NC,DC,03M



- Five different housings
- IP67 sealing
- Greater than 10mm switching distance
- AC and DC versions available

PRODUCT DESCRIPTION

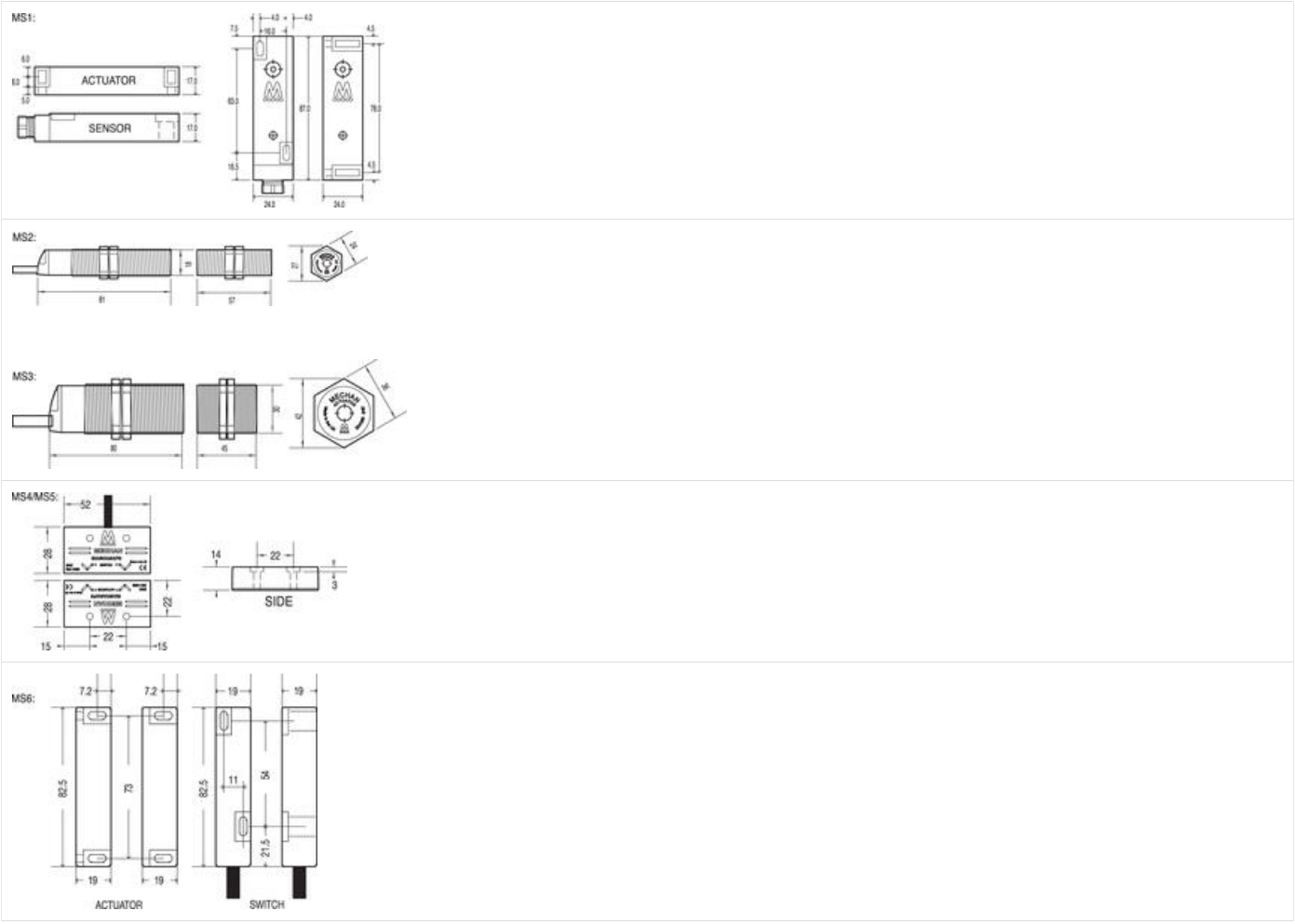
The Magnasafe is a complete range of non-contact magnetically operated safety switches. Constructed using heavy duty reed switches encapsulated into ABS housings and protected with internal fuses, these switches can safely perform over 1 million operations at full load. The long switching distance makes the Magnasafe tolerant to misalignment and gate wear.

When the switch and actuator are apart, the safety contacts are open and the auxiliary contacts are closed. Moving the actuator to within the operating range of the switch (target to target) closes the safety contacts and opens the auxiliary contacts. Using versions with 2 safety contacts in conjunction with a Duelco safety relay will produce a higher integrity safety system.

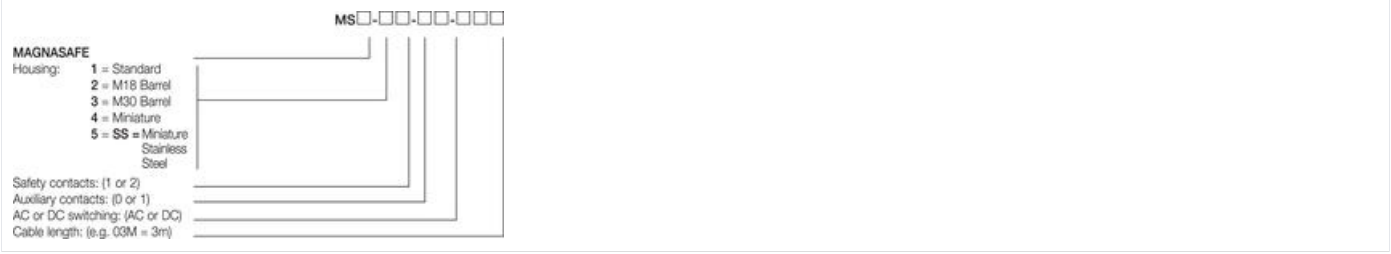
TECHNICAL SPECIFICATION

Safety contact rating	230Vac, 2A inductive or resistive 30Vdc, 1A inductive or resistive	MS5 only: 24Vdc, 0.3A inductive or resistive
Safety contact operating distance	10mm on, 25mm off	MS5 only: 7 to 10mm on, 12mm off
Safety contact: close/drop/bounce	3ms/2.1ms/0.7ms	
Auxiliary contact rating	15W/10VA	MS5 only: 24Vdc, 0.3A inductive or resistive
Auxiliary contact operating distance	8mm off, 10mm on	
Auxiliary contact: close/drop/bounce	0.5ms/0.3ms/0.7ms	
Internal fuse	2A fast acting - AC version 1A fast acting - DC version	MS5 only: no internal fuse
External fuse (not supplied)	1.6A fast acting - AC version 0.8A fast acting - DC version	MS5 only: 0.2A fast acting
Protection	IP67	
Vibration/shock	50-100Hz/10G	
Operating temperature	-10°C to +55°C	
Housing	Red ABS case, resin filled	
Mounting	Target to target, fix with tamper proof screws supplied	

DIMENSIONS



ORDERING INFORMATION



Order codes available:

MS1-10-AC-03M	MS1-11-AC-03M	MS1-20-AC-03M	MS1-21-AC-03M	MS1-10-DC-03M
MS1-11-DC-03M	MS1-20-DC-03M	MS1-21-DC-03M		
MS2-10-AC-03M	MS2-11-AC-03M	MS2-10-DC-03M	MS2-11-DC-03M	
MS3-10-AC-03M	MS3-11-AC-03M	MS3-20-AC-03M	MS3-21-AC-03M	MS3-10-DC-03M
MS3-11-DC-03M	MS3-20-DC-03M	MS3-21-DC-03M		
MS4-10-DC-03M	MS4-11-DC-03M			
*MS5-21-DC-03M				
MS6-10-DC-03M	MS6-11-DC-03M	MS6-20-DC-03M	MS6-21-DC-03M	
MS6-10-AC-03M	MS6-11-AC-03M	MS6-20-AC-03M	MS6-21-AC-03M	

* Connector versions are available

SPECIFICATIONS

Safety contact NO	2
Signal contact NC	1
Contact Current Max	300mA
Activation Distance From	7 mm
Activation Distances	17 mm

Material Case	ABS plastic
IP Class	IP67
Temperature range from	-25 °C
Temperature range to	55 °C

B10d	2,0 milj.

