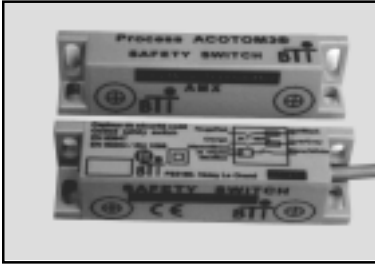


# FURTIF AMX5 technical data sheet



Thank you for your confidence in BTI products.  
This product has been designed and manufactured to the highest quality standards.



### 1. Application:

The sensor FURTIF AMX5 is a magnet coded sensor to protect cranks and doors on dangerous machines. It uses the electronic process ACOTOM3a, this sensor is the first in the world that can detect its own safety contact failure, and then open safety line. Housing in two polycarbonate cases or stainless steel 316L, one, the transmitter, the other, the receiver, it provide two NO safety contacts and an auxiliary NC static contact. It could be used to indicate the sensor state to the machine.

Like all safety product, this sensor must be periodically verify.

### 2.Regulations:

The safety switch FURTIF AMX5 follows the European Standards EN 60947-5-1/2, EN 954-1.  
Protection index IP67 following DIN EN 60529.

### 3.Fixing and wiring:

With two square lugs, the two parts of FURTIF AMX5 can be easily fixed with diam. 4mm screws (ZU4 washers provided).  
Optional special anti tamper screws and tool.  
The receiver is fitted out with a diam. 5mm and length 3, 6 or 12mm PVC multiwire (other lengths on request).

### 4.Fonctionning:

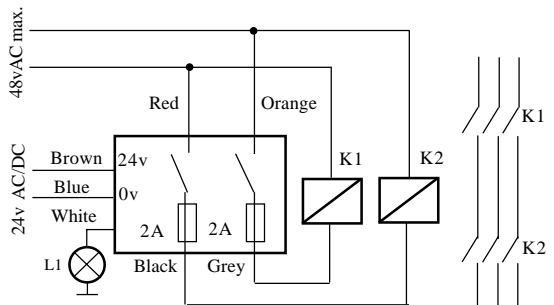
The FURTIF AMX5 is supplied with 24v AC or DC voltage.  
When the two targets, on receiver and on transmitter are in line, and if code is recognized, safety switches NO switch on, auxiliary NC switch off and yellow led on the side of receiver light on.  
If code is not recognized, target in misalignement or failure detection of safety contacts, then led light off and safety lines are open.  
For avoid to damage square lugs, 1mm distance between the two parts is necessary: the detection is available with 8mm distance. Detection through 6mm stainless steel or polycarbonate wall.

Indicator:  
Led : Indicates the state of sensor  
Yellow->detection of the code.

### 5. Technical characteristics

AMX5		
Power supply	24vAC/DC -15% / +10% 50/60Hz	
Current	40mADC / 50mA AC	
Safety contacts protection	Fast fuse 2A	
Safety line	48vAC / 2A cos φ =1	
Auxiliary line	24vAC/DC / 250mA	
Detection / Hysteresis	8mm(0.315) / 3mm(0.118)	
Temperature	-25 °C (-13°F) / +70 °C(+158°F)	
Protection class	IP67	
Life expectancy	50 000 000 mechanical operations	
Size L x l x h	Transmitter	Receiver
	92 x 23 x 18 mm	92 x 23 x 23 mm
Weight	Transmitter	Receiver
	Inox 145g Polyc 90g	Inox 280g Polyc 220g

### 6. Wiring



### 7. Size\*

