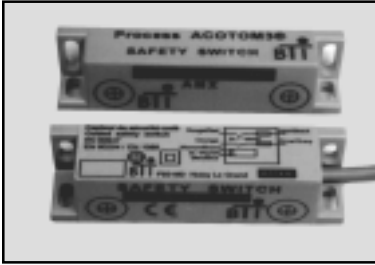


FURTIF AMX4 technical data sheet



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 AMX4 is a magnet coded sensor to protect cranks and doors on dangerous machines. It uses the electronic process ACOTOM3®, 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, one, the transmitter, the other, the receiver, it provide two NO safety contacts.

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

2.Regulations:

The safety switch FURTIF AMX4 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 AMX4 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 12m PVC multiwire (other lengths on request).

4.Fonctionning:

The FURTIF AMX4 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, 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:

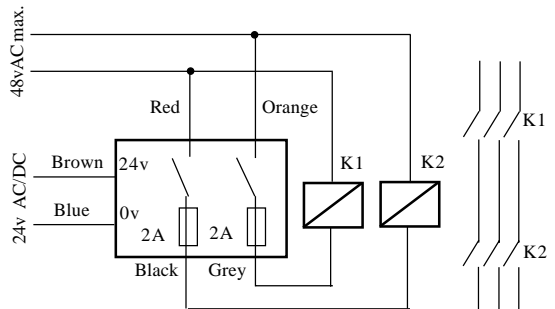
Led : Indicates the state of sensor

Yellow->detection of the code.

5. Technical characteristics

AMX4	
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
Detection / Hyteresis	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 92 x 23 x 18 mm
	Receiver 92 x 23 x 23 mm
Weight	Transmitter 90g
	Receiver 220g

6. Wiring



*For to protect Safety line (internal 2A fuse) , you can use external 1.6A fast fuse.

7.Size*

