

ANATOM78S 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 ANATOM78S is a magnet coded sensor which, when it is wired with AWAX, can protect cranks and doors on dangerous machines. It uses the electronic process ACOTOM2®. Housing in two polycarbonate cases or stainless steel 316L, one is the transmitter and one is the receiver, it provide two NO static contacts and one NC for auxiliary 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 ANATOM78S 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 ANATOM78S 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 ANATOM78S is supplied with 24v AC or DC voltage. When the two targets, on receiver and on transmitter are in line, and if codes are recognized, safety switches NO and led on the side of receiver switch on, auxiliary NC contact switch off. If code is not recognized or target in misalignement, led switch off. 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.

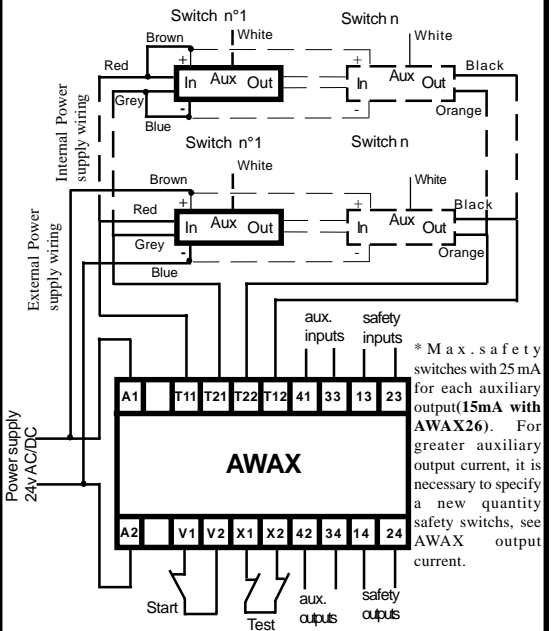
Led : Indicates the state of sensor
Yellow->door is close or detection of the code.

	Max. safety switches wired	
	Internal P.S.*	External P.S
AWAX26	4	30
AWAX45XXL	5	30
AWAX56	5	30
AWAX65XXL	5	30

5. Technical characteristics

ANATOM78S		
Power supply	24vAC/DC - 15% / +10% 50/60Hz	
Current	30mA DC / 40mA AC	
Safety outputs	24vDC / 500mA	
Auxiliary output	24vAC/DC / 250mA	
Detection / Hysteresis	8mm(0.315) / 3mm(0.118)	
Temperature	-25 °C(-13°F) / +70 °C(+158°F)	
Protection class	IP67	
Size L x l x h	Transmitter 92 x 23 x 18 mm	Receiver 92 x 23 x 23 mm
Weight	Transmitter Stainless 145g Polyc 90g	Receiver Stainless 255g Polyc 195g

6. Wiring



7. Size

