

EC DECLARATION OF CONFORMITY

This document is the conformity declaration concerning safety switches and relays, conform to the Machine Directive 2006/42/CE and the Directive 2004/108/CE.

SAFETY SWITCHES

We hereby certify that the hereafter described safety components both in its basic design and construction conforms to the applicable European Directives.

Name of products :

Range	Safety Standards	Approvals/conformity
ANATOM 78S-MKT	ISO13849-1 UL508 NKCR/C22.2 14M91	CE/TÜV
ANATOM 78S-OX-MKT	ISO13849-1 UL508 NKCR/C22.2 14M91	CE/UL/CSA/TÜV

Performance Level (PL) = e
Safety category = with AWAX
MTTFd = 334 years
Checking period=1/year
Coding level : low acc. ISO 14119
Average level on demand



+



Description :

Coded safety-sensor with process Acotom[®] principle in combination with the AWAX serie of safety-monitoring modules from COMITRONIC-BTI or an equivalent safety-oriented control system fulfilling the requirements of the EN 60947-5-3 and ISO 14119.

Person authorized for the compilation of the technical documentation :

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U.S. market : All products are manufactured with UL components and 94VO housing

Place and date of issue : Noisy, december 18, 2014

Authorised signature
Michel Conte
President

PROCESS ACOTOM[®]



ANATOM78SMKT 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 ANATOM78SMKT is an electronic coded sensor which, when it is wired with AWAX, can protect cranks and doors on dangerous machines. It uses the electronic process ACOTOM₂. One is the transmitter and one is the receiver, it provides 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. Fixing and wiring

With two square lugs, the two parts of ANATOM78SMKT 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 multiwire PUR of diam. 6mm and length 50cm with 8 waterproof locking plug pinouts.

3. Function

It 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 misalignment, led switch off. To avoid damage to square lugs, 1mm distance between the two parts is necessary; the detection is available with 11 mm distance. Detection through 6 mm stainless steel or polycarbonate wall.

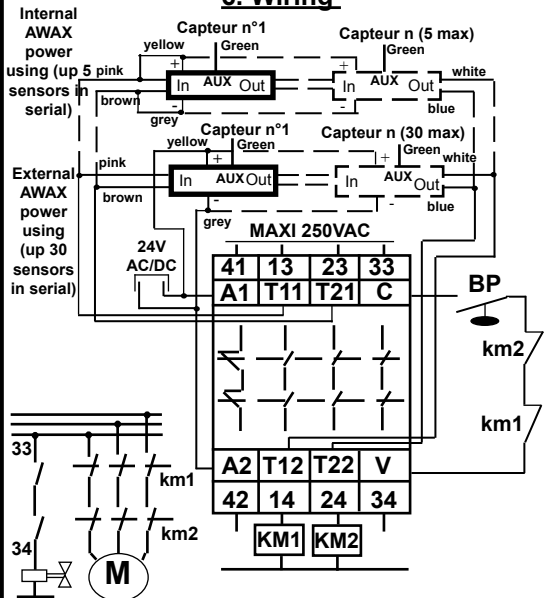
4. Connector wiring

- 1 White 5 Grey
- 2 Brown 6 Pink
- 3 Green 7 Blue
- 4 Yellow 8 Red

5. Technical characteristics

Power supply	24 VAC/DC - 15% / +10% 50/60Hz	
Current	30mA DC / 70mA AC	
Safety contacts	24 VDC / 800mA @ 25°C	
auxiliary contact	PNP NC/250mA	
Range / Hysteresis	10 mm / 2 mm / lateral +/- 7 mm	
Temperature / IP	-25 °C / +60 °C / IP67 (316L = IP69K)	
Size L x l x h	Transmitter	Receiver
	92 x 17 x 25	92 x 25 x 25
Weight	PA6 80g	PA6 100g
	316L 190g	316L 190g

6. Wiring



7. Size mm

