

## 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.

### ELECTROMECHANICAL SAFETY SWITCHES

Range	Safety Standards	Approvals conformity
2SSR24BX	ISO13849-1	CE
2SSR24V	ISO13849-1	CE
3SSR24V	ISO13849-1	CE
4SSR24BX	ISO13849-1	CE
5SSR24BX 5SSR24BX-OX 5SSR24BX-US	ISO13849-1	CE

Safety category = 1 (EN 954-1)

PL=c (ISO 13849-1)

B10d=2 000 000

dop=365 j

hop=24 h

F=1/h

In=100mA

TM= 20 years

Checking period=1/year

Type 4 acc. ISO 14119

average level on request



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

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

Description :

Coded safety-sensor with process Acotom® conform to EN 609457-5-1.

Person authorized for the compilation of the technical documentation :

Christophe PAYS from COMITRONIC-BTI



Place and date of issue : Noisy, september 28, 2014

Authorised signature

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Director

PROCESS ACOTOM®



# FURTIF 3SSR24V technical data sheet

## 1. Application

The 3SSR24V is a coded electronic autonomous sensor using our process ACOTOM® allowing to detects the opening of the mobil protectors on dangerous machines. Housing in two polycarbonate cases (the transmitter and the receiver), it provides two contacts (NO + NF). This FURTIF is provided with 001 code for the standard version and optional with 002 to 008 codes.

## 2. Regulations

The FURTIF 3SSR24V follows the European standards EN 954-1, ISO 13849-1 and EN 60947-5-1. Protection index IP67 following EN60529.

## 3. Fixing and wiring

With two square lugs, the two parts of the 3SSR24V FURTIF 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 5mm diam. and a 3, 6 or 12m length multiwire (other lengths on request).

## 4. Functioning

The 3SSR24V FURTIF is supplied with 24 VAC or 24 VDC. When the two targets on the receiver and transmitter are aligned and the codes are recognized, the NO safety contact close and auxiliary NF open. The red led on the receiver side lights off. It is not necessary to «stick» the two parts on each other ; the detection is effective within a 4mm distance.

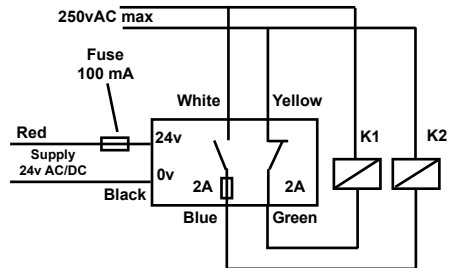
## Advice

The installation has to be checked periodically. Our engineers team stays at your disposal to answer your questions and analyse all your specific demands (studies, specific needs). Please do not hesitate to contact us.

## 5. Technical characteristics

Power Supply	24 VAC/DC +/- 10%	
Current	45 mA	
Detection / Hysteresis	8 mm / 2 mm / lateral +/-10 mm	
Safety contact	2 A Fast Fuse	
Switching datas	AC1-2A 250v pilot duty & general use	
Code	133 or 233 (long range)	
Temperature / IP	-25 °C ~ +60 °C / IP 67	
Size LxIxh	Transmitter 92,5 x 17 x 25	Receiver 92,5 x 25 x 25
Weight	Transmitter 50g	Receiver 195g

## 6. Wiring Diagram



## 7. Size

