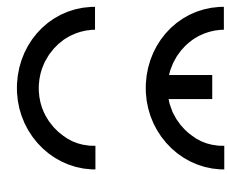




**MANUFACTURER OF SAFETY MATERIAL**  
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 France



**REACH CONFORMITY**



## DECLARATION OF CONFORMITY

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

## ELECTROMECHANICAL SAFETY MODULES

Range	Standards	Approvals	Category ISO 13849-1
RELTRONIC 6SX	ISO 13849-1 EN 60947-5-1 EN 50205 EN 61000-6-2 : jan 2006 EN 61000-6-4 : mar 2007	CE	B10d to 5A = AC1:860000 / AC15:300000 / DC13:300000 DC = 99,9 % CCF = 90 % TM= 20 years

Test conditions :  
 Switching Current=5 A / 250 Vac ou 5 A / 50Vdc  
 Power Supply=24 Vdc  
 Ambient Temperature=+25 °C

This product range is intended to monitor an emergency stop, a safety sensor

The safety modules is designed and manufactured following UL508 / CSA C22.2 regulation.

Safety modules must be used following diagram and directives described in our data sheet.



Noisy le Grand, 14th Oct. 2010

For BTI,  
 Mrs Michèle LEFOULON ,

PROCESS ACOTOM®



# RELTRONIC module technical data sheet

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

## 1. Application

The RELTRONIC 6SX/24V is a power interface designed for industrial use. This module is equipped with 4 NO and 2 NC safety lines with a switching capacity of 8A/250VAC.

## 2. Standards

RELTRONIC 6SX : EN50205, EN1088  
Machine's regulation: EN 292, EN 418, EN 60204-1

## 3. Fixing and wiring:

22.5 mm wide case with plug-in terminals mountable on a 35 mm symmetrical DIM rail according to DIN 50022.

The maximal tightening couple of the terminals: 0.5 Nm.

The maximal section of the wiring cable: 2.5 mm<sup>2</sup>.

## 4. Functioning:

When the module is supplied:

Start mode: originally the 13/14, 23/24, 33/34, 43/44 lines are opened and 51/52, 61/62 stay closed. LED On lights up.

a) if the NO contact between C and V gets closed, 13/14, 23/24, 33/34, 43/44 close and 51/52 and 61/62 open automatically. The VI LED lights up.

b) if the contact between C and V gets opened again, the module will come back to the original state. The LED VI lights off.

## 5. Note

All the security installations should be verified periodically. Our engineers stay at your disposal if you have any question or a particular request (such as a study, a particular manufacturing ...) Do not hesitate to contact us.

## 6. Technical characteristics

Supply voltage (Un)	24VDC
Tolerance (Un)	-15 % / +10 %
DC Consumption	< 2W ; <4,5VA
Safety lines	8A / 250VAC resistive // 8A / 48 VDC
B10d (5A)	AC1:860000 / AC15:300000 / DC13:300000
Maximal switching power	2000VA // 384 W
MTTFd / DC	270 years / 99.9%
Response time	< 20ms
Temperature	-20 °C / +60 °C
Protection class	IP20
Dimensions L x H x P	22,5 x 100 x 111mm
Weight	139 g

## 7. Wiring example

NO Line : 13-14, 23-24, 33-34, 43-44

NC Line : 51-52, 61-62

