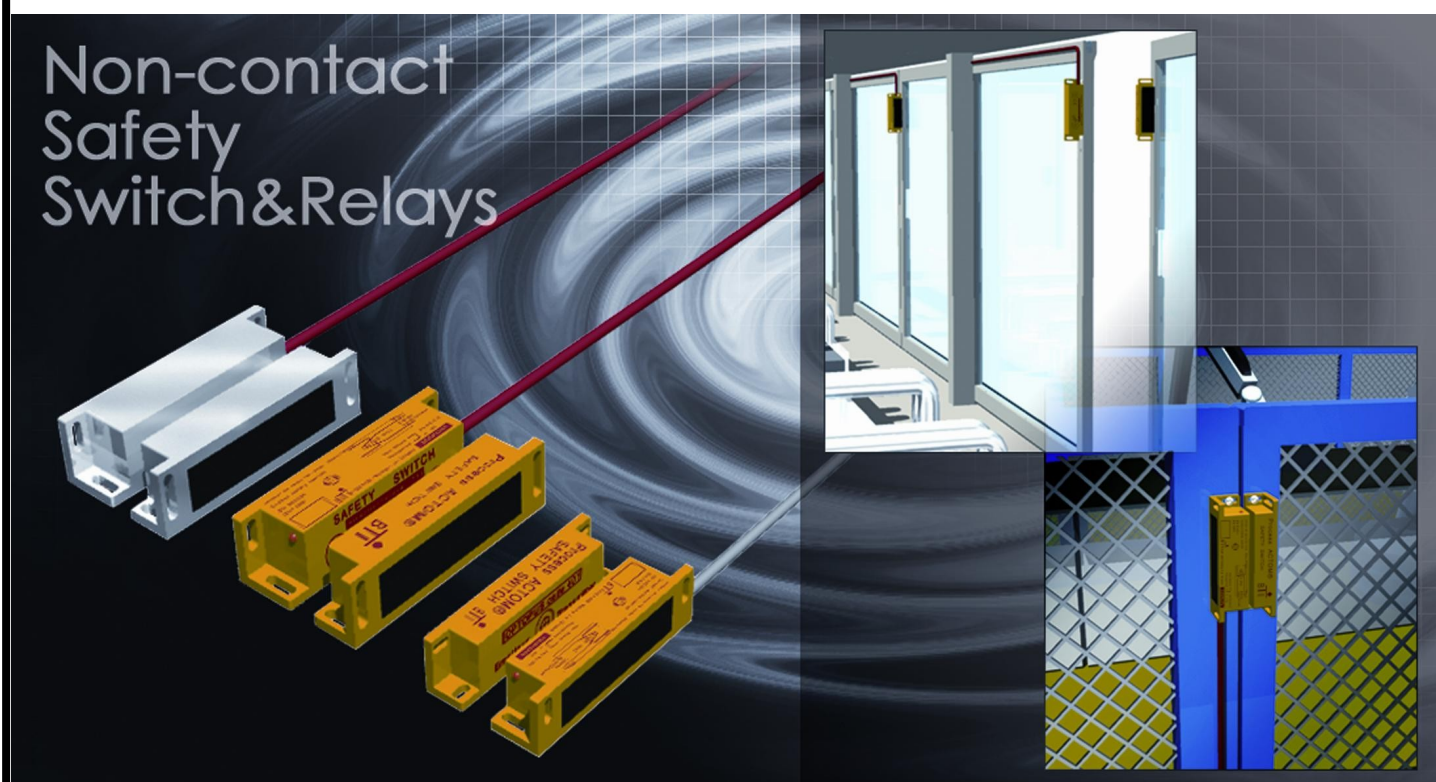


Machine safety and automation

**Short catalogue
2011**



COMITRONIC

PROCESS ACOTOM®



Safety components



Machine safety, our expertise



Our mission:

Providing greater protection from injury for machine operators and maintenance personnel.

COMITRONIC / BTI has always been ahead of its competitors by providing major technological innovations. For more than 15 years, we have developed safety switches and relays grace to our own research and development office and engineers. We have been the **world's first manufacturer of multi-coded non-contact safety switches** since 1993.

The dense network of domestic customers and foreign distributors gave us the advantage to design and market many innovative and customized products. They are installed on machines to provide safety in a wide variety of industries. Our products include coded non-contact safety switches in rugged plastic and stainless steel housings rated for washdown and corrosive environments, contactless coded interlockings and a wide variety of safety relays.

Our products comply with the latest safety standards and approvals, and help to reduce the machine downtime due to faulty switches.

The company, the manufacturing plant and its R&D department are located in France, in the area of Paris, which provides us with a faster response time in case of after-sales service and market, and quality is totally under control. Our products are designed and manufactured in France.

Our customers can benefit of a worldwide distributor network, in Europe, North America, Asia, Australia, and we are developing our activities in the emergent countries, as South America, Russia, and North Africa.



Quality and certificates

Organisme accrédité COFRAC N° 4-0023
Accredited body by COFRAC N° 4-0023 125-DS 2-6

AB CERTIFICATION **CERTIFICAT**
CERTIFICATE

N°A 879

Nous certifions par la présente que le Système de Management de la Qualité de la société :
We hereby certify that the Quality Management System of the company :

B.T. International
ZI Nord des Richardets
34, allée du Closeau
93160 NOISY LE GRAND (France)

est conforme aux exigences des normes suivantes :
is in compliance with the requirements of the following standards :

ISO 9001 : 2008

Le domaine d'application du système de management de la qualité est le suivant :
The scope of the Quality Management System is as follows :

Conception, fabrication et ventes de produits électroniques
Design, manufacturing and sales of electronic products

Ce certificat demeure en vigueur pour une période de trois ans à moins d'avis contraire, à condition que la mise en place et la conformité du système de management de la qualité soient jugées satisfaisantes lors des audits de surveillance et que les conditions du contrat de AB Certification soient observées.
This certificate is valid for a three-year period unless further notice, provided that the compliance and implementation of the Quality Management System are found to be satisfactory at follow-up audits and that AB Certification contract rules are followed.

Fait à CHAMPLAN, le 23 mars 2009
Signed at CHAMPLAN on the 23rd of March, 2009

Date de validité : 19 mars 2011
Expiry date the 19th of March, 2011

Georges ABI RACHED
Le Responsable Certification
The Certification Officer

Jean Charles HEITZMANN
La Direction
The Managing Director

Le Représentant de l'Entreprise
The Company Representative

cofrac
COFRAC
N° 4-0023
AB
www.cofrac.fr

BTI **CE** **RoHS Compliant**

MANUFACTURER OF SAFETY MATERIAL
ZI des Richardets
34 allée du Closeau
F33160 Noisy le Grand - 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 Directive 2004/108/CE.

ELECTROMECHANICAL SAFETY SWITCHES

Range	Safety Standards	Approvals/conformity	Category ISO13849-1 Alone In serial
2SR24V	ISO13849-1/EN60947-5-1	CE	PL1c 1
2SR24BX	ISO13849-1/EN60947-5-1	CE	PL1c 1
3SR24V	ISO13849-1/EN60947-5-1	CE	PL1c 1
4SR24BX	ISO13849-1/EN60947-5-1	CE	PL1c 1
5SR24BX	ISO13849-1/EN60947-5-1	CE	PL1c 1
7SR24BX	ISO13849-1/EN60947-5-1	CE	PL1c 1
AMX3	ISO13849-1/UL508 NKKRC/C22.2 14M91	CE/UL/CSA/TUV	PL3e 3
AMX4	ISO13849-1/UL508 NKKRC/C22.2 14M91	CE/UL/CSA/TUV	PL3e 3
AMX5	ISO13849-1/UL508 NKKRC/C22.2 14M91	CE/UL/CSA/TUV	PL3e 3
AMX5-OX	ISO13849-1/UL508 NKKRC/C22.2 14M91	CE/UL/CSA/TUV	PL3e 3
AM3-OX	ISO13849-1/UL508 NKKRC/C22.2 14M91	CE/UL/CSA/TUV	PL3e 3
BOSTER4K	ISO13849-1/EN60947-5-1	CE/TUV*	PL3e 3
OPTO2S	ISO13849-1/EN60947-5-1	CE	PL1c 1
VIGIL SXRS	ISO13849-1/EN60947-5-1	CE/TUV	PL4d 4
VIGIL SXR	ISO13849-1/EN60947-5-1	CE/TUV	PL3e 3

All switches EMC Standards :
EN 61000-6-2 : 2006, EN 61000-6-4 : 2007

This range of safety switches is designed to replace mechanical safety switches used on doors and cranks of dangerous machines. It uses our process ACOTOM® or ACOTOM®.

All the safety switches and safety modules are designed and manufactured following UL508/CSA C22.2 regulation.

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

*Process ACOTOM®, approved by TUV.

FOR BTI 2008/07/24
MRS LEFLOULON.

PROCESS ACOTOM®
BTI

TÜV **TÜV Rheinland Group**
TÜV Industrie Service GmbH
Automation, Software and Informationstechnologie

ZERTIFIKAT
CERTIFICATE

Nr./No. 968/EL 214/05/03

Produktname Product Name	Produkttyp Product Type	Hersteller Manufacturer	Standort Location
Proximity Switch	AMX3 AMX5	BT International ZI Nord des Richardets 34, allée du Closeau F-93160 Noisy le Grand France	
Systemnormung Type designation	AMX3 AMX5	Verwendung: Safety related application	
Prüfgrundlagen Codes and standards forming the basis of testing	EN 954-1/05.07 EN 60947-5-1/1997 EN 12089-1/99 DIN EN 60947-1/1/1998 DIN EN 60204-1/1/1998		
Prüfungsmethode Test method		The proximity switches AMX3 and AMX5 fulfil the requirements of safety category 3 according to EN 954-1	
Besondere Bedingungen Special requirements		The instructions in this data sheet must be considered	

Der Prüfbericht Nr. 968/EL 214/05/03 vom 2003-04-14 ist Bestandteil dieses Zertifikats.
Dieses Zertifikat ist nur gültig für Gegenstände, die mit dem Prüfgegenstand übereinstimmen. Es wird ungültig bei jeglicher Änderung der Prüfgegenstände zu den angegebenen Anwendungsbedingungen.

This test report no. 968/EL 214/05/03 dated 2003-04-14 is an integral part of this certificate.
The certificate is valid only for products which are identical with the product tested. It becomes invalid if any change or modification of the test objects and standards forming the basis of testing for the intended application.

TÜV Industrie Service GmbH
Geschäftsfeld A54
Automatisierungstechnik und Informationstechnik
Am Grauen Stein, 51109 Köln
Postfach 81, 50671, 51101 Köln

2008-08-03
Datum/Date

Unterschieds/Contrasts seal

Unterschieds/Contrasts seal

EX **INERIS**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres
Directive 94/EC

(1) **EC-TYPE EXAMINATION CERTIFICATE**

(3) Number of the EC type examination certificate: **INERIS 06ATEX0007**

(4) Equipment or protective system:
ELECTRIC SYSTEM TYPE AWAX 26 XXL-EXX + ANATOM7ES-...-EXX

(5) Manufacturer: **BT International**

(6) Address: **34, Allée du Closeau
F - 93160 NOISY LE GRAND**

(7) This equipment or protective system and any other acceptable alternative of this one are described in the annex of this certificate and the descriptive documents cited in this annex.

(8) The INERIS, notified body and identified under number 080, in accordance with article 9 of Council Directive 94/9/EC of the 23rd March 1994, certifies that this equipment or protective system fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, described in annex II of the Directive.

The examinations and the tests are consigned in confidential report No P54901/06.

(9) The respect of the Essential Health and Safety Requirements is ensured by:

- conformity with:

EN 50 014	of June	1997 - Amendments 1 and 2
EN 50 020	of June	2000
EN 50 039	of January	1980
EN 50 284	of April	1999
EN 50 281-1-1	of September	1998 - Amendment 1
- specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents.

Only the entire document including annexes may be reprinted. Folio 1 / 6

IN 13744A
Parc Technologique Alata BP 2 F-40550 Vernueil-en-Halata
tél +33(0)3 44 55 66 77 fax +33(0)3 44 55 66 99 Internet www.ineris.fr
Institut national de l'environnement industriel et des risques
Établissement public à caractère industriel et commercial - RCS Seine 8 381 944 821 - Siret 881 944 821 00019 - APE 7412

Summary

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Benefits and features	p.6
Safety standards and norms	p.7

Machine safety

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Automation

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Our solution

We design our products with the greatest care and in conformity with the safety standards, and also to meet the customer's needs which could not be satisfied with usual solutions.

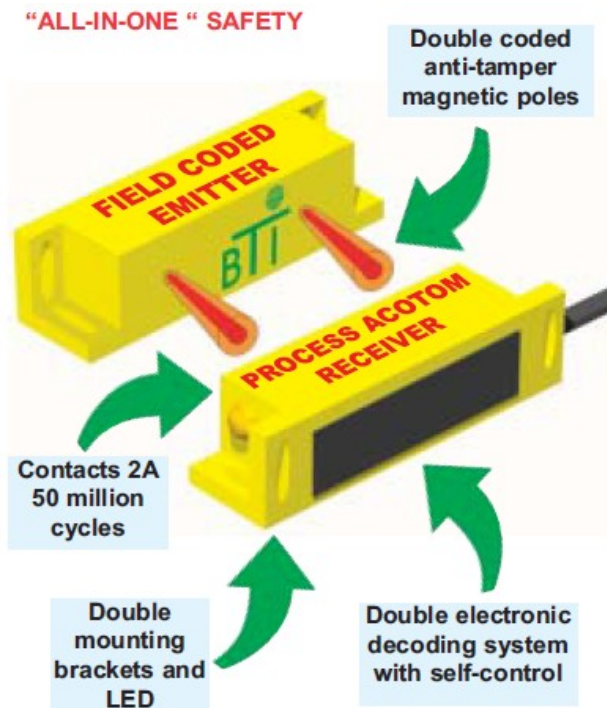
Our safety switches are aimed to control the opening of doors and crankcases of dangerous machines. A switch is composed of two elements : the transmitter mounted on the moving part of the door and the receiver mounted on the frame of the machine. When the two elements are not correctly aligned (opened door), the dangerous function of the machine stops to protect the operator.

Unlike the competitors products, ours are uncheatable thanks to our ACOTOM® process based on the use of electronic components. A coded signal (magnet code or RFid) is sent out to the receiver and decoded, providing a very high tamper resistance.

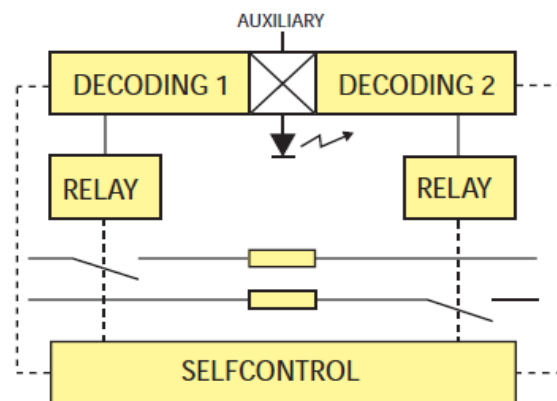
Our safety switches are also able to work in stand alone mode, it means without the use of an external safety relay, and reach all the safety categories from 1 to 4 according to EN 954-1 and PL acc. to ISO EN 13849-1. Their 2A/48V switching power allows them to be directly connected to the engine contactor.

The relays inside the switch are armoured and can work up to 3 500 000 nominal operations and 50 millions mechanical cycles. This long life expectancy makes of it a perfect solution for many cases:

- poor guard alignment,
- no bypassing by operators,
- high hygiene requirements (food industry, pharmaceuticals, chemicals).



Technical architecture of our stand-alone safety switches:



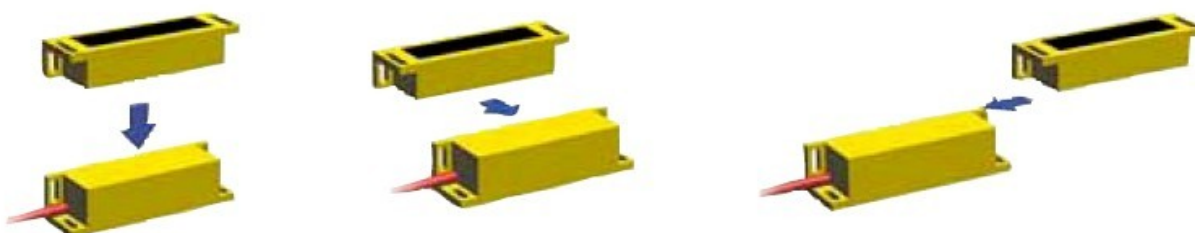
Technical benefits

- Electronic coding (no magnet tamper, no mechanical key)
- Resistance to magnetic fields,
- Multicoding (available on Vigil with 124 codes), or single coding,
- Stand alone range thanks to integrated self control (no safety module needed) with safety lines 2A / 48V (heavy duty line)
- Up to 30 switches in serie on a safety module
- Long life expectancy (50 millions mechanical actions)
- Integral LED and auxiliary line display status (and not only one channel)
- Stable weak hysteresis < 2mm



Installation benefits

- Quick connector options (M12 and M8 plugs) - Switches with double transmitter/single receiver
- High misalignment in all axis (from 5 to 15mm),
- High detection distance (from 5 to 25mm)
- double square legs for easy and universal mounting



Production and maintenance benefits

- No disruption on the production line due to switches damages,
- No tamper possible by operators
- 3 years warranty

And on the Stainless steel 316L range:

- Laser writing (no ink used), food contact possible,
- Waterproof 69k and 68k, dustproof,
- Polymer gaskets, resistant to the heat changes and allow a perfect waterproofness in wide temperature range
- Resistant to washing liquids and detergents (salted, chlorinated, etc...),
- Shocks and vibrations resistant,
- Extreme temperature resistant (-25°C to +110°C)



Safety standards and norms

ISO 13849-1 "Safety-related parts of control systems, Part 1: General principles for design"

On 29th December 2009 two standards aimed at achieving an acceptable risk level for machinery EN62061 and EN ISO 13849-1 are being implemented to replace EN954-1.

This standard may be applied to SRP/CS (safety-related parts of control systems) and all types of machinery, regardless of the type of technology and energy used (electrical, hydraulic, pneumatic, mechanical, etc.). BS EN ISO 13849-1 also lists special requirements for SRP/CS with programmable electronic systems.

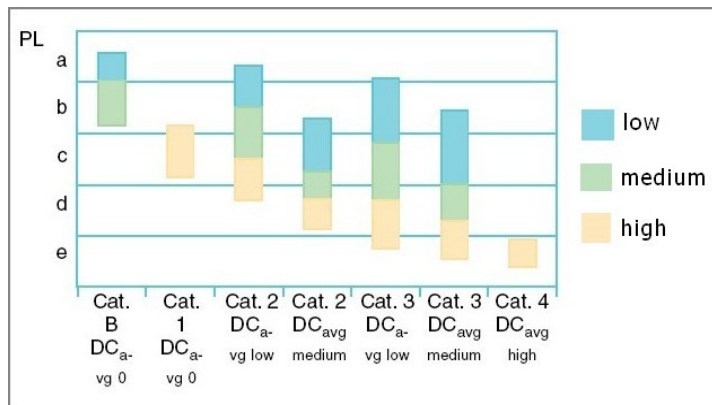
EN ISO 13849-1 is based on the familiar categories from EN 954-1. It examines complete safety functions, including all the components involved in their design. EN ISO 13849-1 goes beyond the qualitative approach of EN 954-1 to include a quantitative assessment of the safety functions.

A performance level (PL) is used for this, building upon the categories.

Components/devices require the following safety parameters:

- Category (structural requirement)
- PL (from a to e): Performance level
- MTTFd: Mean time to dangerous failure
- B10d: Number of cycles by which 10% of a random sample of wearing components have failed dangerously
- DC: Diagnostic coverage
- CCF: Common cause failure

The standard describes how to calculate the performance level (PL) for safety-related parts of control systems, based on designated architectures. EN ISO 13849-1 refers any deviations to IEC 61508. Where several safety-related parts are combined into one overall system, the standard describes how to calculate the PL that can be achieved.



S Severity of injury

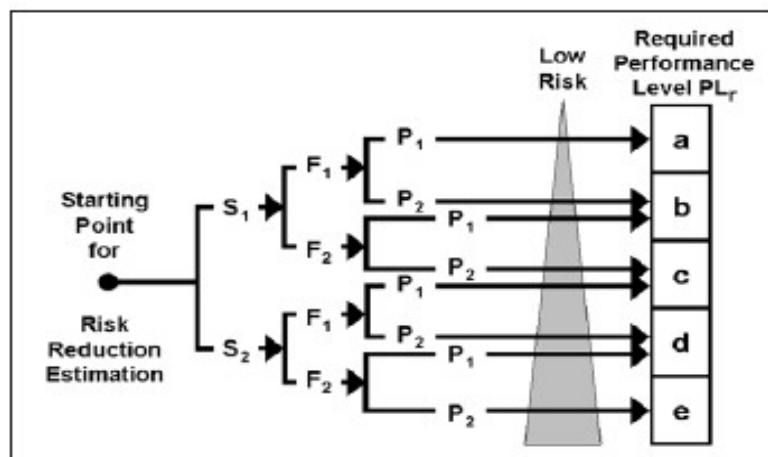
- S1 Slight (normally reversible) injury
- S2 Serious (normally irreversible) injury including death

F Frequency and/or exposure time to the hazard

- F1 Seldom to quite often and/or the exposure time is short
- F2 Frequent to continuous and/or the exposure time is long

P Possibility of avoiding the hazard

- P1 Possible under specific conditions
- P2 Scarcely possible

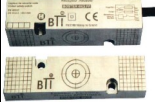


Machine safety

Stand alone safety switches



VIGIL	Highest safety level (cat.4) without relay	
AMX3	Polyvalent non contact coded safety switches with many options available	
AMX4		
AMX5		
AMXR	RFId non contact coded safety switches	
AMX5CK	Captive key safety switch for operator protection in death zones	
BOSTER	Permanent 4kgs magnetic locking safety switch in 316L stainless steel	
MASSIMOTTO	Configurable safety switch, with single or double connectors and auto or manual reset integrated	
3SSR	High switching power stand alone switches	
4SSR		
5SSR		
OPTO2S	Small size switch	

Ref	Options	Safety Category		Contacts	Wiring	Housing	Features
		Alone	On saf. relay				
VIGIL	SXR	3 PLe	3	2NO + 1NC	cable	polycarbonate	Automatic restarting
	SXRS	4 PLe	4				Manual restarting
AMX3 	AMX3	3 PLe	only with single channel safety modules	1NO + 1NC	cable	polycarbonate	Switching distance 10mm Misalignment 7mm 2A/48V safety lines in-house LED
	AMX3-OX				cable	316L st. steel	
	AMX3-OX-MKT				M12	316L st. steel	
	AMX3-MKT				M12	polycarbonate	
AMX4	AMX4	3 PLe		2NO	cable	polycarbonate	Switching distance 10mm Misalignment 7mm 2A/48V safety lines in-house LED
AMX5	AMX5				cable	polycarbonate	
	AMX5-OX	4		2NO + 1NC	cable	316L st. steel	
	AMX5-OX-MKT				M12	316L st. steel	
	AMX5-MKT				M12	polycarbonate	
	AMX5-CM12				M12 in-house	polycarbonate	
AMX R	AMXR	3 PLd	4	2NO + 1NC	cable	PA 6	RFID coding Switching distance 20mm Misalignment 15mm Special oil-resistant cable and housing
AMX5 CK	AMX5 CK	3 PLe	4	2NO + 1NC	M12 in-house	polycarbonate	Captive key system Anti-locking: impossibility to restart the machine without locked key in the switch
BOSTER 	BOSTER	3 PLe	4	2NO + 1NC	cable	316L st. steel	Permanent magnetic latch 4 KG Laser writing 2A/48V safety lines Front mounting holes
	BOSTER MKT				M12		
MASSIMOTTO 	X5 M12 AR	3 PLe	4	2NO + 1NC	M12 in-house (double connector in option)	polycarbonate	With monitored restarting option double emitter (D) option double connector (X5.2)
	X5 M12 SR					polycarbonate	Without monitored restarting option double emitter (D) option double connector (X5.2)
3SSR	3SSR	1 PLC	3 (4 with one switch)	1NO + 1NC	cable	polycarbonate	Switching distance 10mm Misalignment 10mm 2A/250V safety lines
4SSR	4SSR			2NO	cable	polycarbonate	Switching distance 10mm Misalignment 10mm 2A/250V safety lines version BXUS: 1 LED bicolor version BX : 1 LED monocolor
5SSR	5SSR			2NO + 1NC	cable	polycarbonate	
	5SSR-MKT				M12	316L st. steel	
	5SSR-OX				M12	316L st. steel	
	5SSR-OX-MKT						
OPTO 2s	OPTO 2S	1 PLC	3 (4 with one switch)	2 NO	cable	polycarbonate	Switching. dist 7mm misalignment 3mm 250mA/48V safety lines special for small access

Machine safety

Non Stand alone safety switches (wired to Awax safety relay)

ANATOM M18	Cylindrical safety switch	
OPTOPUS DEC	Small size safety switches for tiny access	
ANATOM 6S ANATOM 78S ANATOM 98S	Polyvalent range of non stand alone safety switches	
XORF	Rfid coded safety switch	
EPINUS	Permanent 2& 4kgs magnetic locking safety switch in 316L stainless steel	
MASSIMOTTO ANA	Configurable safety switch, with single or double connectors and single or double emitters	
SUPERMAGNET 1	Electromagnetic safety locking 200N or 600N Magnetic holding with safety function integrated	
SUPERMAGNET 2		

Ref	Options	Safety category (on Awax)		Contacts	Wiring	Housing	Features
		One	Several				
ANATOM M18 	/	4 PLe	3	2NO	M12 in-house	CUni Metal	Cylindrical switch
OPTOPUS DEC 	MKT INOX MKT INOX	4 PLe	3	2NO + 1NC	cable M12 M12 cable	polycarbonate 316L st. steel	Switching 7mm misal. 3mm small size switch
ANATOM 6S 	MKT	4 PLd	2	2NO	cable M12 in-house	polycarbonate	5 switches max on Awax (battery-free)
ANATOM 78S 	CM12 MKT MKT INOX INOX	4 PLe	3	2NO + 1NC	cable M12 in-house M12 M12 cable	polycarbonate st. steel	open door=aux on Switching 10mm detection trough a 6mm st. steel sheet
XORF 	XORF	3 PLd	3	2NO + 1NC	cable	PA6 with GlassFiber	RFID switching 25mm misal. 15mm
ANATOM 98S 	CM12 MKT	4 PLe	3	2NO + 1NC	cable M12 in-house M12	polycarbonate	open door=aux off
TRITHON 	/	4 PLe	3	2NO + 1NC	Teflon cable	316L st. steel	special agro-food, 110°C
EPINUS 	2kg 4kg	4 PLe	3	2NO + 1NC	Teflon cable 90°C Cable	polycarbonate 316L st. steel	Avoids door chatting and intempestive opening
MASSIMOTO 78 S.2 M12 		4	3	2NO + 1NC	M12 in-house (double connector)	polycarbonate	Switching 8mm misal. 7mm
MASSIMOTO 98 S.2 M12 				2NO + 1NO			
SUPERMAGNET 1 	SM1 - OP SM1 - R	4 PLe	3	2NO + 1NC	M12 in-house	polycarbonate	20 kg magnetic latch 50kg (dc) or 30kg (ac)
SUPERMAGNET 2 	SM2 - E SM2 - R	4 PLe	3	2NO	M12 in-house (double connector in option)	316L st. steel	40 kg magnetic latch 100kg magnetic latch

Machine safety

Safety relays and modules

**AWAX
26 XXL**

Polyvalent Safety relays

**AWAX
25 XL**

**AWAX
27 XXL**

Dual zone safety relay

CO13XXL

Emergency stop control

CO13L

Emergency stop control

COM 3C

Two hands validation module

VALTRONIC

Monitored restarting module

SPEEDTRONIC

Standstill detector

EXELTRONIC XXL

Safety module with both delayed and instantaneous lines

TIMTRONIC XXL

Timing module

C4TN

Timing module for machine energization/un-energization

C4CK

Captive key module



Ref	Features	Safety Category	Switching power and safety lines
AWAX 26 XXL	 Safety relay (4 lines) manages 30 switches Overvoltage protection very quick response time < 20ms	4 PLe	8A/250Vac 8A/250Vdc 3 safety lines NO + 1 aux line NC
AWAX 27 XXL	 Safety relay (8 lines) manages 30 switches Overvoltage protection very quick response time < 20ms		8A/250Vac 8A/250Vdc 6 safety lines NO + 2 aux line NC
CO13 XXL	Emergency stop control	Single channel: cat2 PLc Dual channel: cat3 PLe	8A/ 250Vac 8A/ 50Vdc 3 safety lines NO
COM 3C	Two hands validation device special for presses	2NO+1NC	8A/ 250Vac 8A/ 50Vdc 2 safety lines NO
VALTRONIC	monitored restarting module (2 buttons) Timing from 0 to 22scdes	4 PLe	8A/ 250Vac 2 safety lines NO + 1 aux line NC
SPEEDTRONIC	 Zero speed motor detector, for interlocking control level of 0,02V to 0,7V left timing from 2 to 7 scdes to open interlocks	4 PLe	8A/ 250Vac 3 safety lines NO + 1 safety line NC
EXELTRONIC XXL	 Safety relay+ timing module	4 PLe	8A/ 250Vac 8A/ 50Vdc 3 delayed safety lines NO + 2 instantaneous safety lines NO and 1 aux line NC
TIMTRONIC XXL	Timing module (delay interlocks opening when machine stop is requested) 0 to 999 scdes timing	3	8A/ 250Vac 8A/ 50Vdc 2 delayed safety lines NO + 1 delayed aux line NC
C4TN	Timing module for machine energization/un-energization from 1 to 22scdes	4 PLe	8A/ 250Vac 8A/ 50Vdc 2 safety lines NO + 1 aux line NC
C4CK	 Captive key module	4 PLe	8A/ 250Vac 8A/ 50Vdc 4 safety lines NO + 1 aux line NC or 4 safety lines NC + 1 aux line NO

Machine safety

Non contact coded interlocking devices

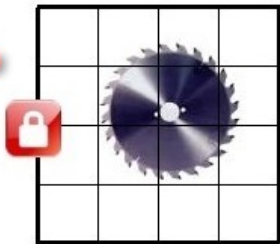
Stand alone device cat4 PLe
Vigilguard



Non stand alone device cat3 PLe
Anaguard



Vigilguard,
Anaguard,
New generation of interlocking



Machine safety

Explosive environments Atex



CERTIFICATION INERIS
N°06 ATEX 0007
CE 94/9/CE

SAFETY SWITCH
Récepteur/Receiver
BIT P-83180 H05V L.P. GRAND

Emetteur/Transmitter
ANATOM783-PL-EEX
II 1 GD-EEX Ia IIC T4
IP6X - T135°C
INERIS 06ATEX0007

AWAX26XXL-EEX
24VAC/DC 50-60Hz

BTI

COMITRONIC
PROCESS AUTOMATION
BTI
Safety components

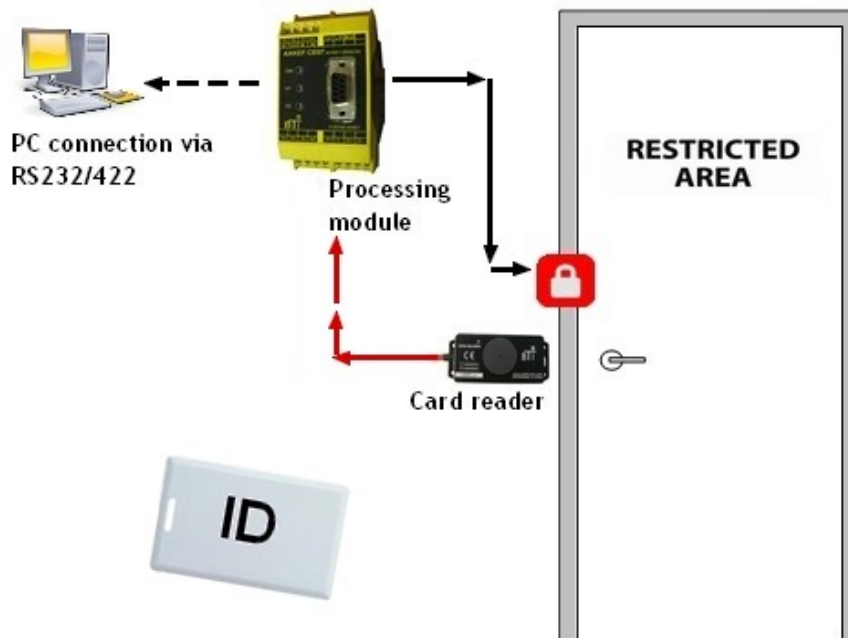
**SAFETY RELAY
AND SWITCH
FOR EXPLOSIVE
ENVIRONMENTS**

WWW.COMITRONIC.NET

Automation

RFID access control

AXKEF ACCESS CONTROL



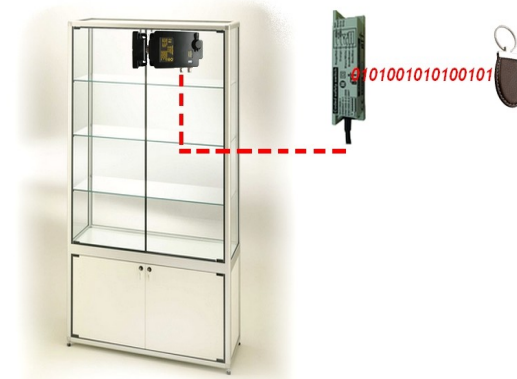
AXKEF is such designed :

- 256 badges per module
- memory capacity 512 events with date/time/ID
- 125kHz
- 1 billion and 73 million different coding possibilities

The aim of the processing module is made of 3 main actions: read the datas, write a log and process a logical command. Its non volatile internal memory allows to retrieve up to each of the 500 lasts actions (date/time of event, the ID of badge exposed and action of the lock) of the module. It all can be donwloaded on a remote computer, thanks to the optionnal RS 232 or 422 plug (depending the lenght needed until the computer).

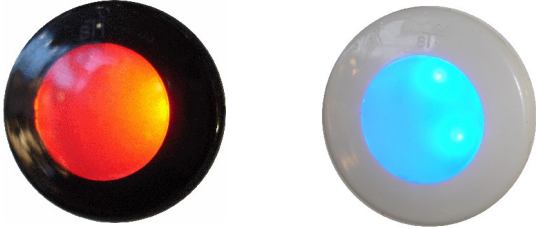
Otherwise, the solution can also be made of a RFID switch, with its individual coding.

If the receiver can correctly read the coded emitter (or badge), then it will send a positive current to an electric lock to open the access. The system can be custom designed with an alarm, a buzzer, a time delaying, etc...

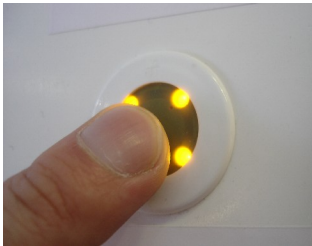


Automation

Pilot lights and touch-sensitive buttons

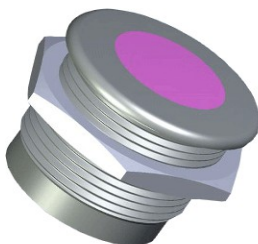


- easily replaces filament lights,
- bicolor LED illuminated,
- very bright thanks to 2 LEDs and 21 impacts on the glass,
- housed in a rough housing, designed to be vandal resistant,
- conformity with the hygiene standards (EN 1672-2),
- IP67, wide temperature operation,
- lifetime expectancy 100 000h/ 10 years,
- wide choice of colors available (red, green, blue, yellow, amber, white)



- no mechanical action needed, easily replaces mechanical pushbuttons,
- bi color LED illuminated, very bright,
- housed in a rough housing, designed to be vandal resistant,
- conformity with the hygiene standards (EN 1672-2),
- IP68, wide temperature operation,
- lifetime expectancy 100 000h/ 10 years,
- momentary, toggle or time-delayed in one button,
- option vibrating function as a confirmation signal,
- PLC compatible

The touchbuttons are available with two designs : concave or convex (flat surface)



You may have an application for which you don't find the right solution?
Please do not hesitate to contact us so we can study your request!

You can reach our sales department here:

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