

MANUFACTURER OF SAFETY MATERIAL

ZI des Richardets

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EC DECLARATION OF CONFORMITY

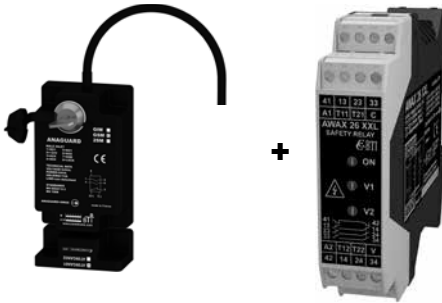
This document is the conformity declaration concerning safety switches and relays, conform to the Machine Directive 2006/42/CE and the Directive 2004/108/CE.

INTERLOCKING SAFETY SWITCHES

Name of products :

Range	Safety Standards	Conformity
ANAGUARD serie	ISO 13849-1 / EN 62061 ISO 14119	CE

PL=c acc. ISO 13849-1
Up to PL e/SIL 3 with safety relay
Checking period=1/year
Time Machine=20 a
dop=365 j
hop=24 h
F=1/h
B10d=1.000.000
Coding level : low acc. ISO 14119
Medium level on demand
Holding force data : safe
FZh = 770 N



Description :

Coded safety switch and electromagnetic interlock device 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.

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Authorised signature

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Managing Director

PROCESS ACOTOM[®]



Datasheet of ANAGUARD™ 2S

You have just purchased a BTI product, we thank you for your trust.
To ensure a high reliability, this product was designed and manufactured with the greatest care.

1. Operation field

ANAGUARD™-2S allows to constitute an safety Interlocking of doors of machines. The bolt is encoded by process Acotom®, avoid the job of additional sensor. This product uses an innovative system giving an increase and powerful moving of the bolt to assure a good effectiveness in bad environments. Consumption is low for a performance mechanics raised: 1W in standby mode, 64W in boost mode. Electrical connection comes true by means of a cable (W) or M12 cable (MKT), depends of the version.

2. Mounting instructions

ANAGUARD™ 2S and the striking plate must be fixed using 4xM4 screws. Place the screw covers. Authorized mounting of the bolt : 0 to 180° on the sides or to the ground . Do not wash with high pressure water. Check that the clearance between latch and striker is about 2 mm, the slots can make the necessary adjustment.

3. Operation mode of Anaguard 2S

When energized (pink wire) from 5 to 30Vdc, the locking is activated and in BOOST mode for 200ms then changes to ECO. If the power supply of the device is not in a range from 24V to 30V or if the temperature increases over a critical value, the interlocking is shut down. The white/purple line is the test loop to integrate in the machine power control to reach safety category 2 acc. to EN954-1. The red/blue wire enables the locking of the following interlocking device (pink wire), so that the LOCK activation of the first device is forwarded to the next one, while saving energy.

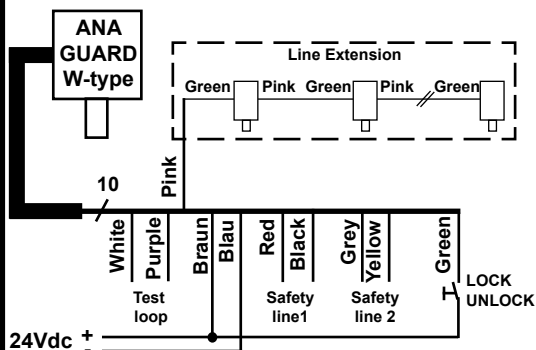
4. WARNING

- 1) This product is intended for the bolting of the light doors, oil pan schemes, aluminium border and plexiglass panel.
- 2) Mechanical unlocking is made by turning the key up to the stubborn. Do not force.

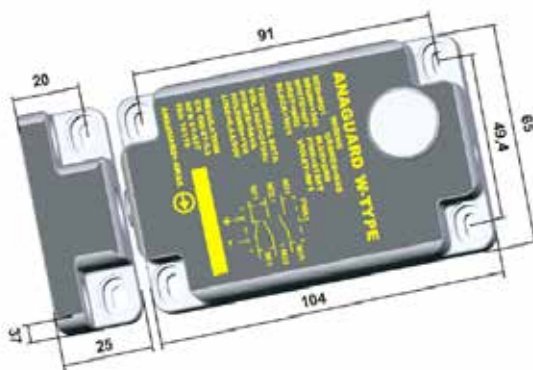
5. Technical features

Power supply	12Vdc to 30Vdc	
Power consumption	Boost: 64W	Eco: 1W
Necessary current	64+(N-1) (Watts)	
Safety lines	2xNO 2A / 48 Vdc/ac	
Auxiliary line	-	
Locking input	PNP 5-30Vdc	
MTTFd/DC	47 years / 91,5%	
Protection class	IP65	
Temperature	-25 °C / +60°C	
Boltstroke / Detection	9mm/3mm	
Pull strenght / Shearing	2000 N / 1000 N	
Dimensions L x W x h (mm)	LOCK	PLATE
	103 x 65 x 48	24 x 65 x 36
Weight	LOCK	PLATE

6. Wiring diagram



7. Dimensions (mm)



ANAGUARD DRAWING

