

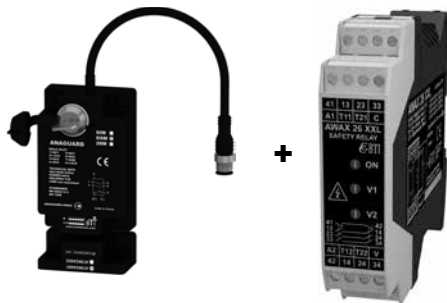
EC DECLARATION OF CONFORMITY

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 Acotom₂® 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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Place and date of issue : Noisy, january 18, 2013

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Datasheet ANAGUARD™

V0.0

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

Our interlocking device ANAGUARD reaches safety cat 4 PLE as per ISO 13849-1 in connection with our safety module AWAX.

The Acotom® process featured in our coded bolt avoids the use of an extra safety switch on the guard door. ANAGUARD provides a reliable locking principle thanks to its high mechanical power that extracts easily the bolt, ensuring an efficiency in harsh environments.

The powerful mechanical power needs only a low consumption : 1W for a 12mm bolt diameter and a stroke of 9 mm.

ANAGUARD 2S can be daisy chained thanks to an M12 inlet or a cable (ref. W), depending on the version. The "GS" version offers the lock at power off and version "GI" offers the lock at power on.

2. Mounting instructions

ANAGUARD™ 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.

3. Operation mode : version M12 (M or MKT30)

When energized (red wire-pin8) 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 12V to 30V or if the temperature increases over a critical value, the interlocking is shut down. If required the connector cable perhaps directly taken up on the inlet of the bolt.

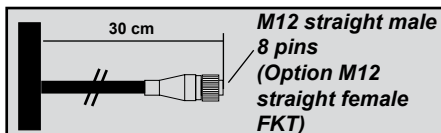
4. Operation mode : cable version (W)

When energized (green) 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 20,4V to 30V or if the temperature increases over a critical value, the interlocking is shut down. The white/purple line is an auxiliary line to inform the operator or PLC of the switch status. The red/black line is NO1 contact and grey/yellow is the NO2 contact. 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.

5. La connectique

ANAGUARD-M : M12 inlet

ANAGUARD-MKT30 : M12 straight PUR 30cm



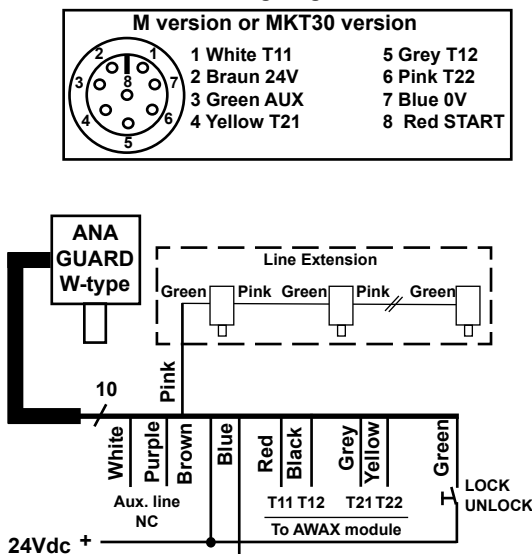
ANAGUARD-W :

cable lenght standard 3m and 10 x 0,25mm²

6. Technical features

Power supply	24Vdc -15% to +20%	
Power consumption	Boost: 64W	Eco: 1W
Necessary current	64+(N-1) (en W)	
Frequency locking	1 Hz max	
Safety lines	2xNO 400mA / 24 Vdc/ac	
Auxiliary lines	1xNC 400 mA / 24 Vdc/ac	
Locking input	PNP/12-30 VDC-2~5mA	
Protection class	IP65	
Temperature	-5 °C / +40°C	
Boltstroke/détection	9mm/3mm	
Pullstrenght/Shearing	200 daN / 100 daN	
Dimensions L x W x h (mm)	LOCK	STR. PLATE
	103 x 65 x 48	24 x 65 x 36
Weight	LOCK	STR. PLATE
	500g	150g

7. Wiring diagram



WARNING :

1) This product is intended for the bolting of the light doors, oil pan schemes, aluminium border and plexi-glass panel.

2) Mechanical unlocking is made by turning the key up to the stubborn. Do not force.

ANAGUARD DRAWING

