

The boltlock is a locking device that allows the controls of circuit breakers, switches, disconnectors or earthing switches to be locked in a certain position. The lock is used to control the rotation or movement of a handle connected to the actuator.

This lock is available with aluminium or composite cylinder, making it ideal for energy sector applications.

Under no circumstances should this lock be used to secure an access. For this, please refer to the Access Lock data sheet.



Trapped Key  
Interlocks



ENERGY

## USAGE

The boltlock is used as part of a safe guarding system.

 This lock is not designed to secure access to a safe, external access to a building, for doors or access gates.

## INSTALLATION

 A safety lock must be fitted with appropriate fixings (not supplied with the lock).

### Important:

To prevent unauthorised removal, the lock must be fitted with a stainless steel rivet or stainless steel security screws and secured with a threadlocker.

Tightening torque: 5Nm

Drilling of the mounting plate (when the lock is mounted from the rear): 4 holes  $\varnothing 5,3$  + 1 hole  $\varnothing 25$  per cylinder.

The lock must be installed by a competent and qualified person.

## MAINTENANCE

No maintenance of the product is recommended. However, to improve its operation and possibly increase its life span, adding "Xenium micronised graphite powder" to the lock is accepted.

Any other product is prohibited

### TECHNICAL DATA

<b>Weight</b>	Starting at 220 gr
<b>Material</b>	- Cylinder - Rotor 5000 : 6064-T9 aluminium / Rotor 6000 : Grivory GVX-65h composite Stator : 6064-T9 aluminium - Serrure - AISI 304L stainless steel
<b>Product finishing</b>	Anodised black (cylinder)
<b>Type of Mounting</b>	Front or back mounting with suitable fixings (flush)
<b>Temperature rating</b>	-35°C / +120°C for the lock -35°C / +105°C for the switch
<b>Salt spray tolerance</b>	240h
<b>Watertightness</b>	IP4X-lock IP67-switch
<b>IK rating</b>	IK08
<b>Vibrations</b>	0.7mm @10-55HZ 1 oct/min in 3 axes
<b>Retentive strength</b>	250N-key 600N-bolt
<b>Lifespan</b>	1000000 cycles*
<b>B10d</b>	200000 cycles*
<b>DC</b>	90%
<b>Compliance</b>	- CE Marking Directive 2001/95/EC - Machinery Directive 2006/42/EC - Low Voltage Directive 2014/35/EU (with a switch)
<b>ROHS</b>	Certificate available on our website, Resource Centre section
<b>REACH</b>	Certificate available on our website, Resource Centre section
<b>Conflict Minerals Declaration</b>	Certificate available on our website, Resource Centre section

\*Aluminium rotor version

### OPTIONS

- Flat key (RONIS type) or star key (PROFALUX type)
- Up to 3 cylinders
- Rotor type (aluminium, composite or aluminium small series)
- Electrical switch (changeover)

### APPLICATION

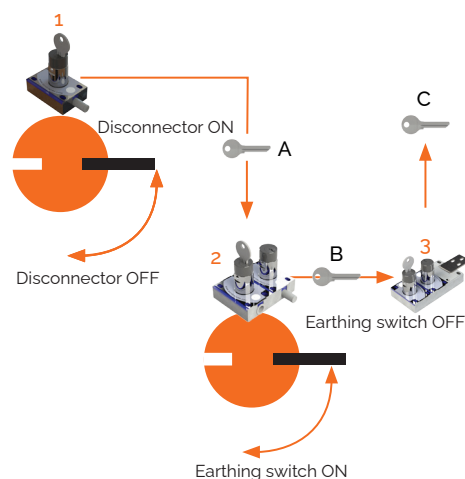
The system includes a bolt on the control device for the machine's power supply, another Hercules lock on the electrical earthing system controller and a Hercules access lock for entering the hazardous area. Under normal machine operation (motor powered), the power key A is trapped in the Hercules bolt on the machine disconnecter and the access door to the hazardous area is closed and locked.

To access the hazardous area:

1. The operator cuts the power to the machine allowing the release of the power key A
2. The power key A is then trapped in the Hercules lock of the earthing switch allowing the earthing of the electrical circuit. The operator can then release the access key B, thus locking the earthing switch in the closed position and ensuring that earthing cannot be interrupted.
3. The access key B is then trapped in the Hercules access lock releasing the personal key C and the strike plate allowing access to the area.

The personal key C is kept by the operator during operation to protect against accidental locking and starting.

4. To put the machine back into service, the operator follows the same steps in reverse order



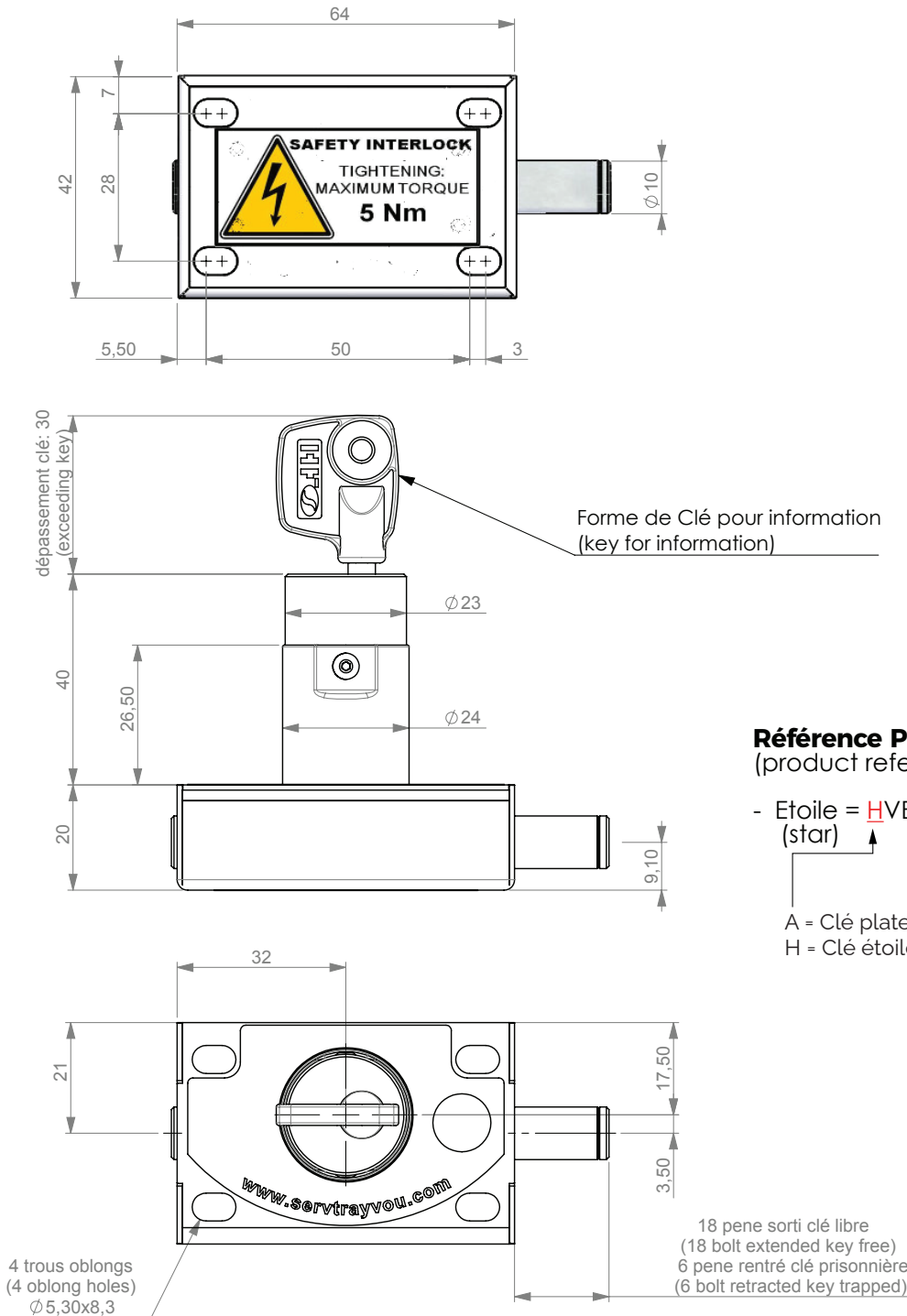
### DRAWING

Dimensions: in mm

Available as a flat key (RONIS) or star key (PROFALUX)

**Note:** For safe mounting, use security screws.

### Standard single-entry boltlock



#### Référence Produit avec clé type: (product reference following key type:)

- Etoile = HVE11XPS5000  
(star)

A = Clé plate  
H = Clé étoile

5 = Rotor Aluminium  
6 = Rotor Composite

X = Fonction C ou D

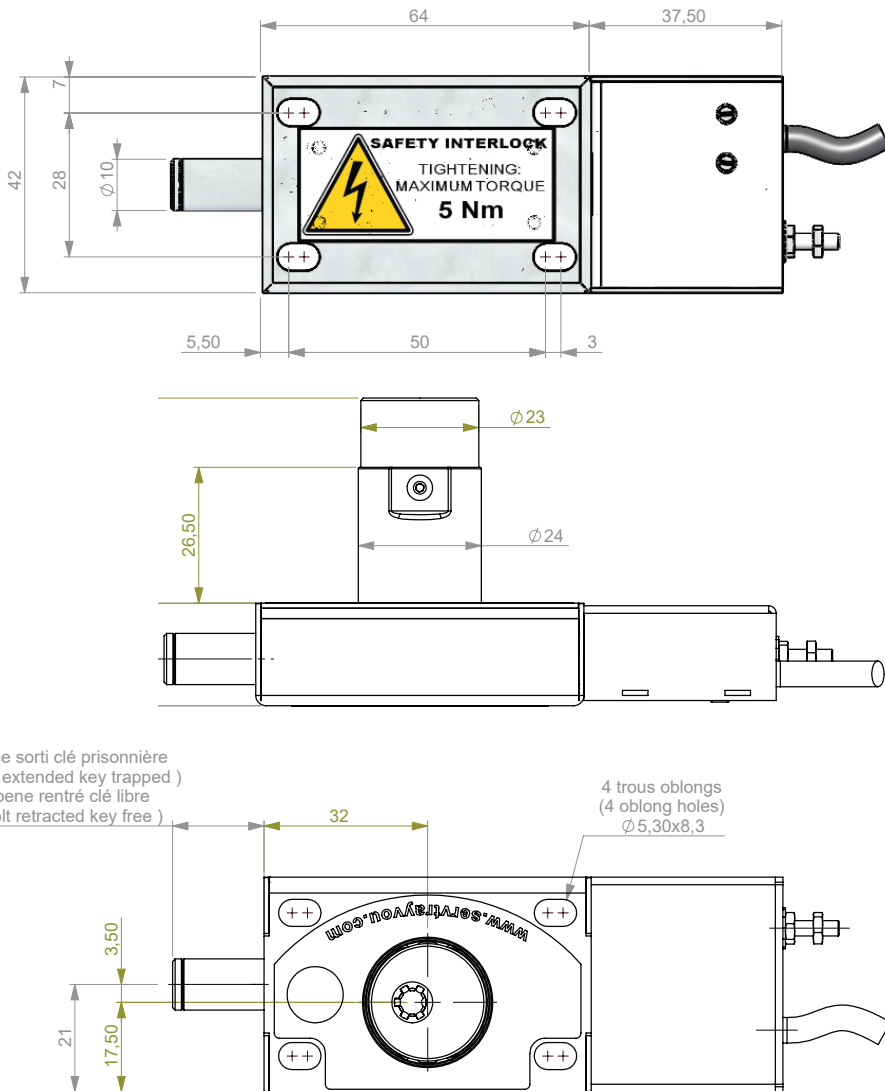
### DRAWING

Dimensions: in mm

Available as a flat key (RONIS) or star key (PROFALUX)

**Note:** For safe mounting, use security screws.

### Single-entry boltlock with a switch



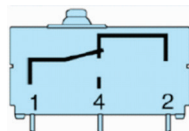
18 pene sorti clé prisonnière  
(18 bolt extended key trapped)  
6 pene rentré clé libre  
(6 bolt retracted key free)

4 trous oblongs  
(4 oblong holes)  
Ø 5,30x8,3

Caractéristiques du contact inverseur:  
(Characteristics of the micro-switches)

reference: **CROUZET 83186**

- cable lg 1.2m, section 0.5mm<sup>2</sup>:
  - \* 1 Noir (black) = Commun (common)
  - \* 2 Gris (grey) = NF (NC) clé libre
  - \* 4 bleu = NO clé prisonnière
- calibre sous 250VCA:  
(ratings at 250VCA)
  - \* Nominal: 6A
  - \* Thermique: 7.5  
(Thermal)
- IP67
- Température d'utilisation : -40°C / +105°C  
(operating temperature)



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While every effort has been made to ensure the accuracy of the information provided, no liability can be taken for any errors or omission. Sentric Safety Group reserves the right to alter specifications and introduce improvements without prior notice.

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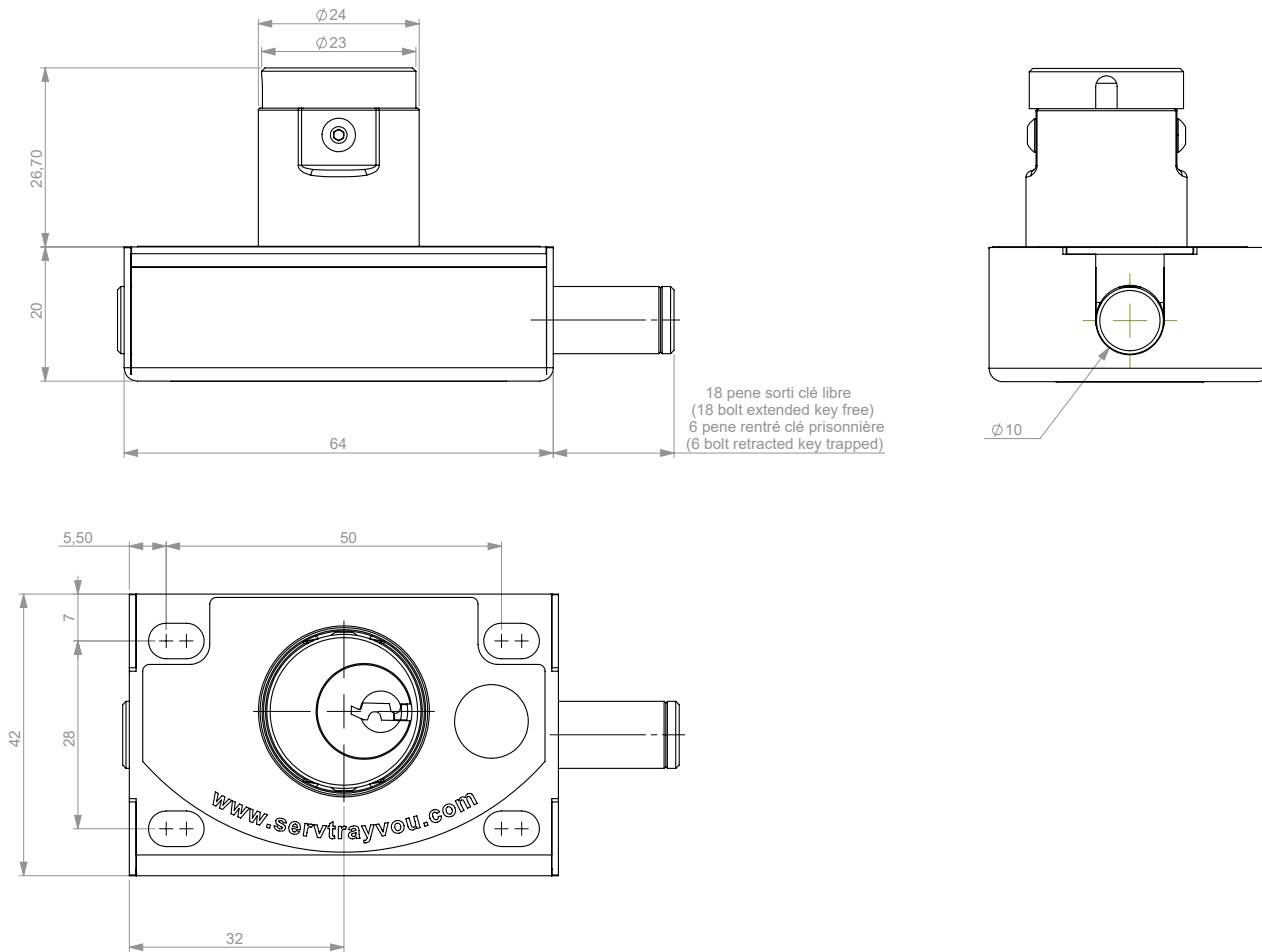
### DRAWING

Dimensions: in mm

Available as a flat key (RONIS) or star key (PROFALUX)

**Note:** For safe mounting, use security screws.

### Switch boltlock with 1 entry



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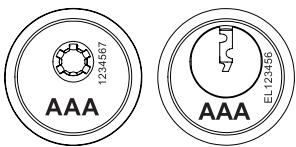
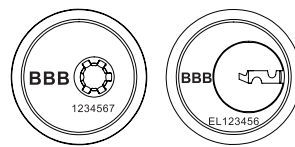
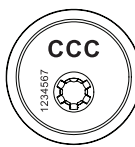

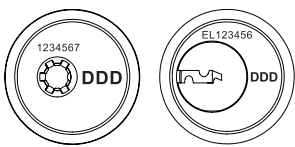
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### ORDER INFORMATION



















	Cylinder profile	Product type	N° of cylinder	N° of bolts	Key profile	Rotor type	Particularity
Reference							
Example	A	VE	1	1	EL	5	000




<b>Cylinder profile</b>	A = Flat key H = Star key
<b>Product type</b>	VE = Standard boltlock VC = Boltlock with a switch
<b>N° of cylinder</b>	From 1 to 3 cylinders
<b>N° of bolts</b>	1 or 2 bolts
<b>Function</b>	The function determines the key position (in or out). See FUNCTION table
<b>Key profile</b>	Star key = PS 5-piston flat key = EK, EL, EM, EP, ET, EV 6-piston flat key = GK, GL, GM, GP, GT, GV
<b>Rotor type</b>	5 = Aluminium 6 = Composite 7 = Small series
<b>Particularity</b>	000 = Standard 004 = 35mm bolt length 005 = 35mm bolt length and 15mm diameter 225 = 2 switches version *** = Other lengths, threading, see options below or contact us

Position To be specified by the customer at the time of ordering									
A		B		C		D			
STAR KEY	FLAT KEY	STAR KEY	FLAT KEY	STAR KEY	FLAT KEY	STAR KEY	FLAT KEY		
<b>Single Line:</b> 12 characters max. <b>Double Line:</b> <b>First line</b> 7 characters max. <b>Second line</b> 5 characters max.		<b>Single Line:</b> 4 characters max. <b>Double Line:</b> <b>First line</b> 4 characters max. <b>Second line</b> 4 characters max.		<b>Single Line:</b> 12 characters max. <b>Double Line:</b> <b>First line</b> 7 characters max. <b>Second line</b> 5 characters max.		<b>Single Line:</b> 12 characters max. <b>Double Line:</b> <b>First line</b> 5 characters max. <b>Second line</b> 7 characters max.		<b>Single Line:</b> 4 characters max. <b>Double Line:</b> <b>First line</b> 4 characters max. <b>Second line</b> 4 characters max.	
									

### ORDER INFORMATION

Continued

N° entries	N° bolts	Function	Principe	N° entries	N° bolts	Function	Principe
1	1	C		2	2	H	
1	1	D		2	2	J	
2	1	F		3	1	F	
2	1	H		3	1	H	
2	1	J		3	1	J	
2	1	K		3	1	K	
2	1	L		3	1	L	
2	1	M		3	1	M	
2	1	N		3	1	M	

Legend	○	free key
	●	trapped key
		bolt out
		bolt in
		switch position for switch version

### ACCESSORIES

- Flip cap (ref. D23556, drawing available on request)
- 35mm bolt
- 35mm bolt and 15mm diameter
- Threaded bolt

	Z-value			
	M3x7	M4x9	M5x12	M6x13
<b>At the front of the bolt</b>	x327	x328	x017	x024
<b>At the back of the bolt</b>	x284	x185	x087	x319

**X = 5 if aluminium rotor**

**X = 6 if composite rotor**

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