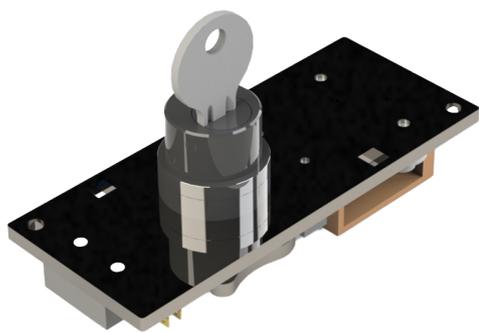


APE/HPE Electromechanical lock plate



The electromechanical lock plate is an electrically controlled isolation lock to be mounted on a panel. It can be used when the key release is conditioned by a PLC.

The lock is available as standard with 1 cylinder and has mechanical and electrical operating options.



Trapped Key Interlocks



ENERGY

USAGE

The electromechanical lock plate 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

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

Weight	Starting at 457 gr for 1 entry
Material	- Cylinder - Rotor 5000 : 6064-T9 aluminium / Rotor 6000 : Grivory GVX-65h composite Stator : 6064-T9 aluminium - Cam - AISI 304 inox - Plate - AISI 304 inox
Product finishing	Anodised black (cylinder)
Operating voltage and power consumption	24VAC / 24VDC - 7,5W 30VAC / 30VDC - 7,5W 48VAC / 48VDC - 7,5W 110VAC / 110VDC - 7,5W 125VAC / 125VDC - 7,5W 220AC / 220VDC - 7,5W
Temperature rating	Currently being evaluated
Salt spray tolerance	Currently being evaluated
Watertightness	Currently being evaluated
IK rating	Currently being evaluated
Vibrations	Currently being evaluated
Retentive strength	250N-key
Lifespan	Currently being evaluated
B10d	Currently being evaluated
DC	90%
Compliance	- CE Marking Directive 2001/95/EC - Machinery Directive 2006/42/EC - Low Voltage Directive 2014/35/EU (with a switch) - EMC Directive 2014/30/EU
ROHS	Certificate available on our website, Resource Centre section
REACH	Certificate available on our website, Resource Centre section
Minéraux sources de conflit	Certificate available on our website, Resource Centre section

OPTIONS

- Flat key (RONIS type) or star key (PROFALUX type)
- Rotor type (aluminium or composite)
- Key release by voltage emission or absence
- Push button/warning light
- Various electrical contact configurations
- Multi-cylinder version available under feasibility study

APE/HPE Electromechanical lock plate

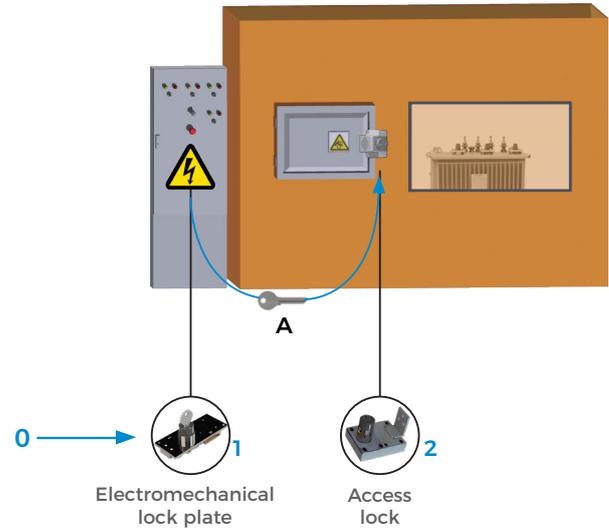


APPLICATION

The system includes an electromechanical lock plate as well as an access lock for entering the hazardous area. Under normal operation (voltage emission), the power key A is trapped in the electromechanical lock plate and the access door to the hazardous area is closed and locked.

To access the hazardous area:

0. A key removal authorisation is sent to the electromechanical lock plate by a PLC when the safety conditions are met (power failure in the area).
1. The operator releases the power key A from the electromechanical lock plate.
2. The power key A is then trapped in the access lock, releasing the latch allowing access to the area.
3. To put the machine back into service, the operator follows the same steps in reverse order



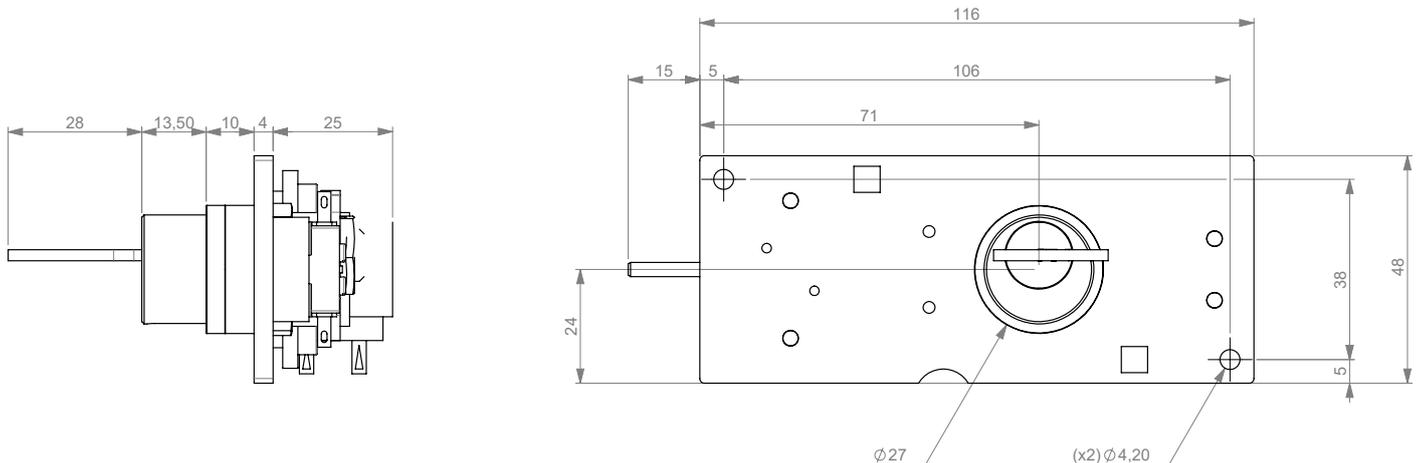
DRAWING

Dimensions: in mm

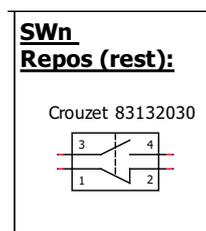
Available as a flat key (RONIS) or star key (PROFALUX)

Note: For safe mounting, use security screws.

Electromechanical lock plate with one flat key entry



STANDARD WIRING DIAGRAM



APE/HPE Electromechanical lock plate



ORDER INFORMATION

	Cylinder profile	Product type	N° of cylinder	N° of bolts	Electro function	Key profile	Rotor type	Particularity
Référence								
Exemple	A	PE	1	0	A	EL	5	000

Cylinder profile	A = Flat key H = Star key
N° of cylinder	1 (multi-cylinder version on request)
N° of bolts	0
Electromechanical function	A : release by voltage emission B : voltage-free release
Key profile	Star key = PS 5-piston flat key = EK, EL, EM, EP, ET, EV 6-piston flat key = GK, GL, GM, GP, GT, GV
Rotor type	5 = Aluminium 6 = Composite
Particularity	000 = Standard 225 = 2 switches version xxx = Customised



ACCESSORIES

- Cache entrée de clé (ref. D23556)

CONTACTS

Serv Trayvou

1 ter rue du Marais
93100 MONTREUIL
France

t : +33 (0)1 48 18 15 15

f : +33 (0)1 48 59 68 50

e : sales@servtrayvou.com