

The NX key exchange box is designed to enable the release of keys by inserting of one or more primary key(s). The need for this type of product usually arises when there are multiple access points or multiple energy source to isolate. The unit will generally be the link between the isolation locks and the access products.



Trapped Key Interlocks



INDUSTRY



ENERGY



Railway

USAGE

NX key exchange should be used to allow a safe access to potential hazardous and dangerous areas with one or more access points.



NX key exchange can not be used for access or isolation.

INSTALLATION



The installation must be carried out by a competent and qualified person who has read and understood these instructions.

MAINTENANCE

Periodic visual checks should be carried out to check for deformation or corrosion/erosion/acid aggregating by the site manager/safety officer. Clearing the marking/closing of the lock attachment.

Do not lubricate lock barrel with oil or grease, use Powder Graphite if necessary.



In case of defects being detected please contact your nearest Serv Trayvou Support Department for further actions. Please see Contact section for contact details.

TECHNICAL DATA

Temperature rating	Contact STI for details
Weight	0,8 kg
Material	- Stainless steel 304 - Flip cap gasket: Cellular silicon - Marking plate: Aluminium (stuck) Brass (riveted or stuck) - Plate glue: Acrylic - Loctite AA330
Product finish	Cover plate: Red (RAL 3000) polyester paint
Homologation	Contact STI for details
Salt spray resistance	Contact STI for details
IP Rating	Contact STI for details
Mechanical life	Contact STI for details
B10d	Contact STI for details
Diagnostic coverage (%)	Contact STI for details
Retention force	Contact STI for details
Shock & vibration (IK)	Contact STI for details
ROHS	Certificate available on request
REACH	Certificate available on request
Conflict mineral	Certificate available on request

OPTIONS

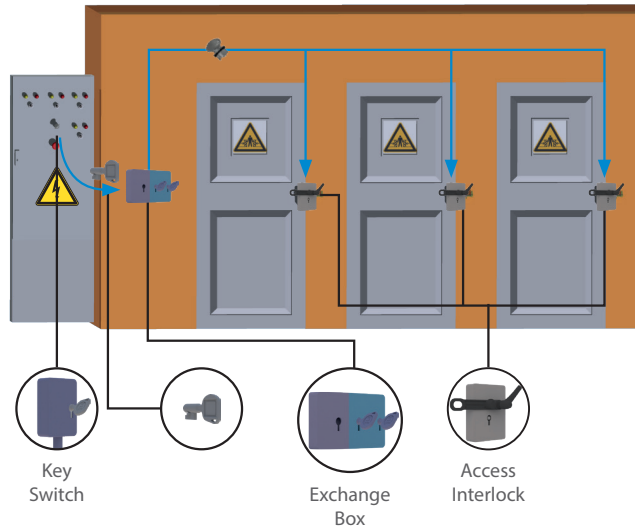
- 2 to 5 key entries
- Switch 2O-1C (standard) - Switch function in key free position
- Without flip cap
- Not painted
- Multi-clasp for padlock
- High Temperature (not painted, without switch and flip cap)

APPLICATION

On machine guarding application with two or more access points to the hazardous area, the NX key exchange box is used as a part of a safety system. This ensures a machine is shut down before allowing access to the hazardous area. The system is composed of isolation lock(s) controlling the energy source and typically more than one access interlocks for full body access.

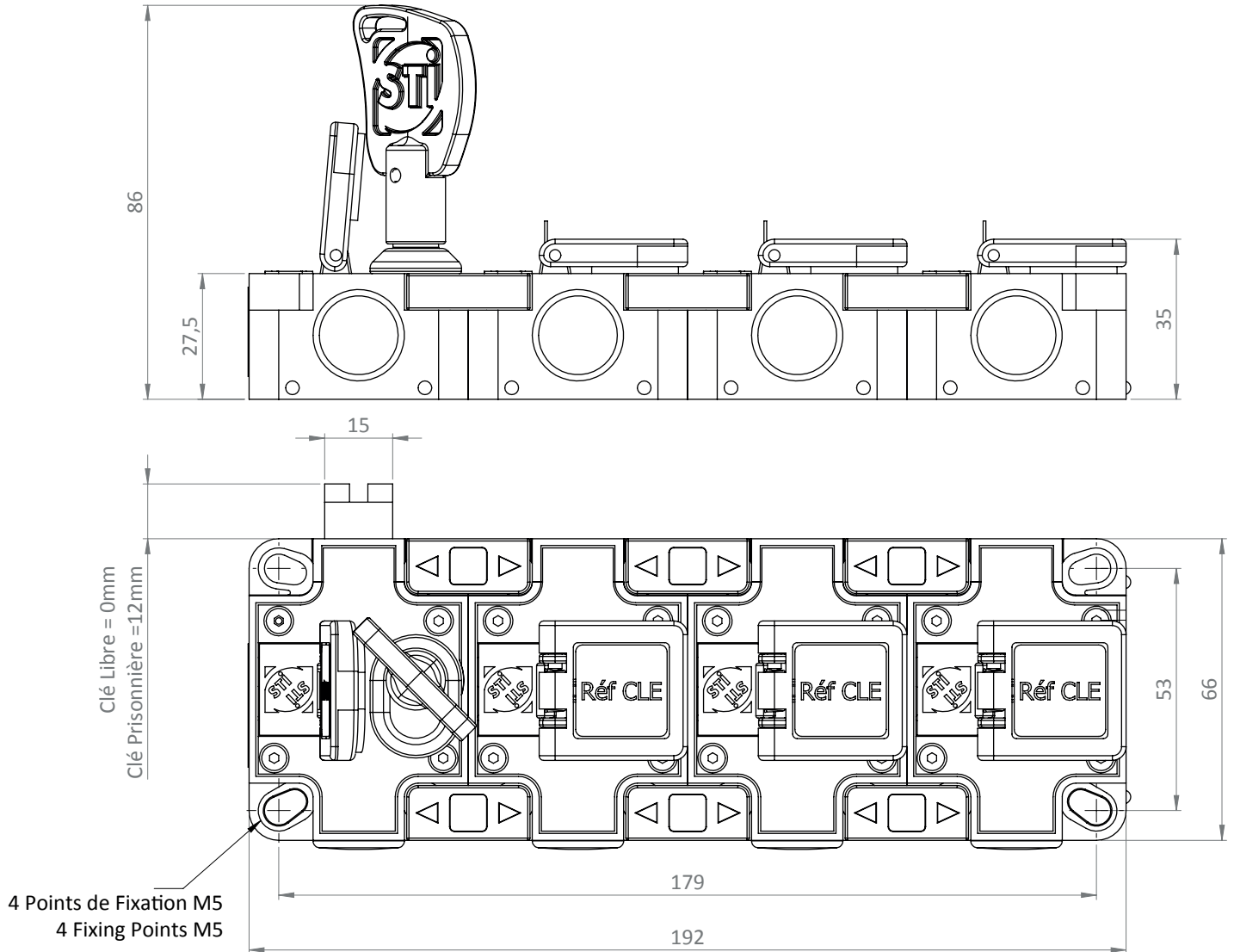
The removal of the isolation key(s) from the key switch(es) isolates the control circuit of the machine. This key is taken to the NX key exchange box to release the trapped keys. The released keys are used to gain access through the door interlocks.

The machine cannot be restarted until all keys are returned to the key exchange box and the power isolation key is removed and taken to the isolation lock.



Note: For safe mounting, use security screws

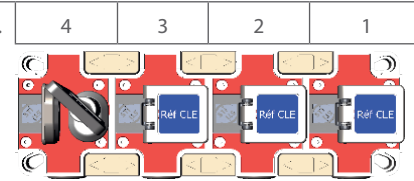
NX Exchange



ORDER INFORMATION

	Component type	No. of entries	No. of bolt	Locking element	1	2	3	4
Part number	NX							
Example	NX	4	0	ECH	AK	NS	2	0

1	Lock function	The function determines the number of keys and their condition (present or absent). Check function						
2	Switch option	NS = No contact FS = Contact in front BS = Contact at back						
3	Switch position	1 & 2 (up to 9) is the switch position, reading from the right to the left	...	4	3	2	1	
4	No. of order	For dedicated applications. This number is assigned by STI for a suitable product. 0000 applies for standard items.						



CONTACT INFORMATION

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