

RTK*E Key Switch




The RTK*E is a key driven electrical switch designed for machine control power circuits. It can be used to shut down your equipment and get a safety access. The unit is available in back of board version and front of board (IP55 enclosure box).



USAGE

The RTK*E powersafe electrical key switch is designed to be part of a safety system and is used to isolate the power releasing a key which is then used to gain access to a hazardous area via an access interlock.

 The RTK*E key switch is not designed for security purposes.

No hazardous substances were used in the manufacture of this product. The product can be disposed of in standard waste.


INSTALLATION

Contact STI for more information.

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
Type of mounting	Back of board, front of board
Weight	0,35 kg
Material	- Barrel: Nickelled brass - Mechanism: Brass - Cam: stainless steel 304 - Flip cap: Stainless steel 304 - Marking plate: Aluminium (stuck) - Plate glue: Acrylic - Loctite AA330
Product finishing	Start from 2 key entries, red (RAL 3000) polyester paint front
Enclosure	IP 55 polycarbonate enclosure
Power isolation	20A
Number of key Standard version	1 to 6
Homologation	Switch: IEC 60947
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

- 1 to 6 key entries
- IP55 rated enclosure
- ATEX explosive zone

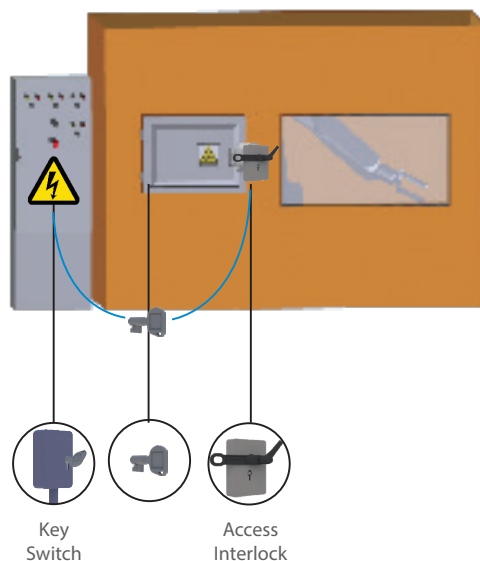
APPLICATION

For instance, RTK*E is used for machine guarding safety. It's usually used in combination with an access interlock.

The RTK*E breaks the machine safety circuit, ensuring a machine is shut down when the key is turned and removed.

The key can, once the door is open, be taken to access interlock and become trapped.

The machine cannot be restarted until the door is closed, and the key is trapped into the RTK.

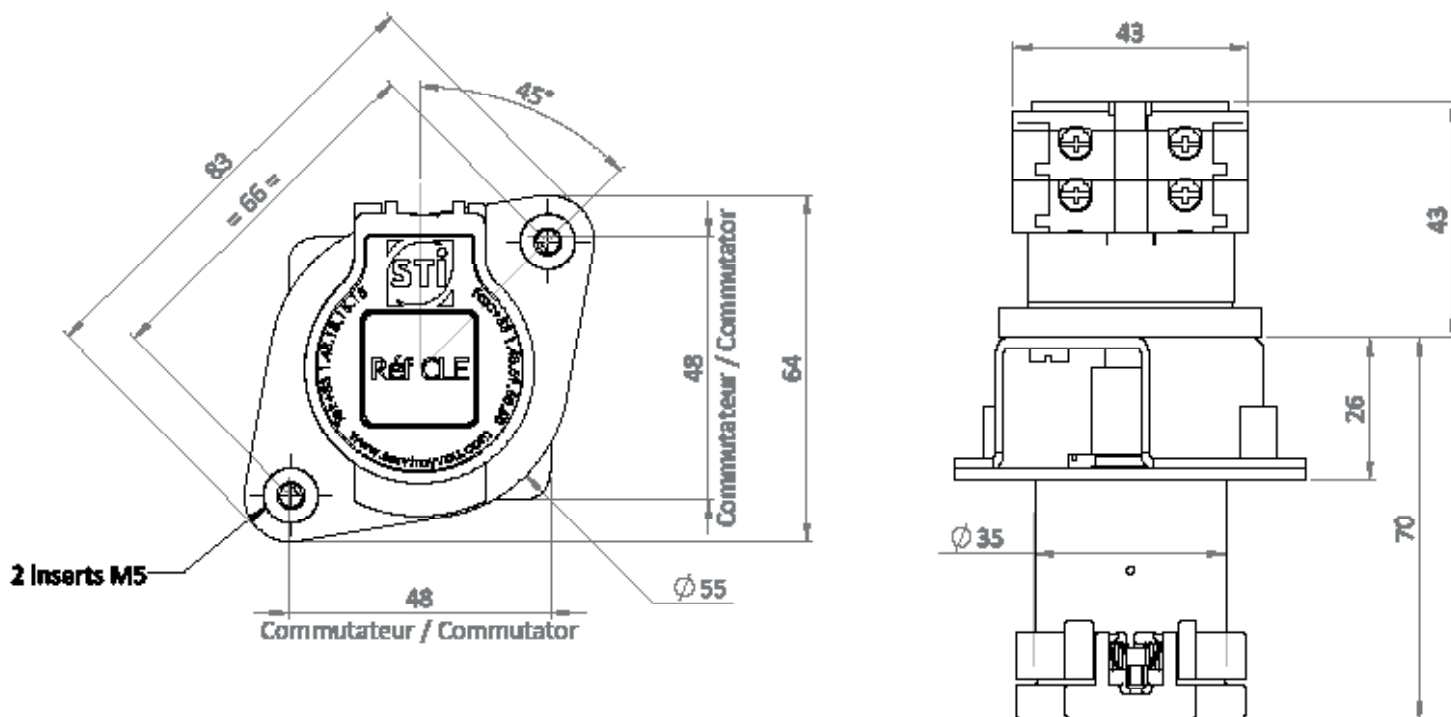


DRAWING

Dimensions: in mm

Note: For safe mounting, use security screws

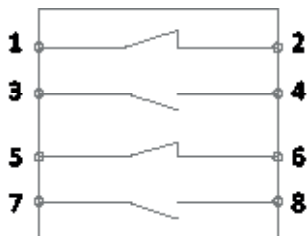
RTK*E



WIRING DIAGRAM

RTK*E

Type 202F



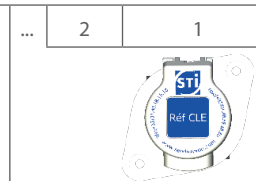
Contact reference	&	C6
Specifications		20-2F
Puissance / Power		5.5kW (CA10)
Section maxi en mm ²	rigide / rigid	4
	souple / flexible	2,5
Wire section		
Contact additionnel	Par 2 en option	10
Additional contact	By 2 in option	

Repérage des bornes et position des contacts clé libre
Wiring connexion and contacts position in key free configuration

ORDER INFORMATION

	Component type	No. of entries	1	2	No. of contact	3	4
Part number	RTK						
Example	RTK	1	E	AA	1	C12	0

1	To be inset or boxed	E = RTK to be insert B = RTK integrated into box (IP55 polycarbonate strong box)
2	Function of lock	The function determines the position of the keys (present or absent). Please see table FUNCTION
3	Type of contact	C6 = 20-2C, 5.5kW, CA10 C7 = 30-1C, 5.5kW, CA10F C9 = 30-3F, 11kW, CA25 C11 = 30-3F, 18.5kW, C42 DI = If contact different C00 = No contact SP = Special contact
4	No. of order	For dedicated applications. This number is assigned by STI for a suitable product



CONTACT INFORMATION

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