

ekorsys units: protection,  
telemanagement & communication

# ekor.stp

Automatic transfer unit

Reliable innovation. Personal solutions.

## Preface

Automatic transfer unit used to provide an uninterrupted and safe supply through the automatic and programmable transfer between two incoming lines.

The **ekor.stp** unit has two feeder or circuit-breaker cubicles, **ekor.ccp** programmable cubicle controller and **ekor.rtk** voltage presence/absence detection unit. Some of its main features are:

- » Standalone operation in the event of a power shortage using an auxiliary battery.
- » Capacitive voltage detection (without voltage transformers)
- » Line - Line or Line - Group Transfer
- » Return by voltage, hour, preferred line, with or without coupling, etc.
- » External blocking function
- » Remote control using integrated control

## Applications

Any installation that requires a Medium Voltage uninterruptible power supply:

- » Transformer and Switching Substations
- » Dispatching centre
- » Industrial customers
- » Infrastructures: hospitals, airports, etc.


## Most notable features

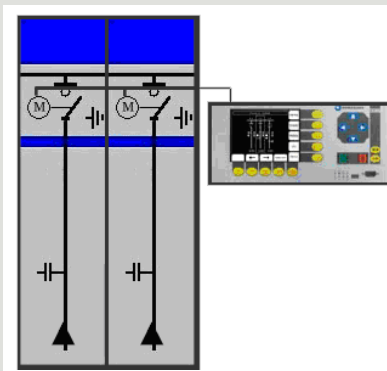
- » Presence of voltage without Voltage Transformers
- » Factory-tested components
- » Avoids the need for racks for control and protection sheaths
- » History log of 1792 events

## Characteristic

The **ekor.stp** unit is noted for the following features:

- » Capacitive voltage detection from bushing.
- » Power supply coupling.
- » With or without preferred line.
- » Automatism can be blocked.
- » Inclusion of remote control functions.
- » Switching in the event of voltage absence.
  - » Voltage absence in 2 or 3 phases.
  - » Voltage absence in 1 phase.
- » Protection of motor driven mechanism
- » Mechanical interlocking of line cubicles
- » Possibility of performing other automatism\*:
  - » Transfer between Transformer Substations
  - » Transfer between 3 lines
  - » Actuation on other cubicles
  - » Load shedding

 (\*) Non-standard option. Please ask our Technical-Commercial Department about availability of models



## ekor.ccp

The **ekor.ccp** unit has been designed to resolve applications such as automation, remote control, line transfer, electrical interlocking between cubicles, alarm centralisation, etc. in Medium Voltage installations.

It has a flexible and programmable microprocessor system with PC structure and Linux operating system. The powerful microprocessor enables use in remote controlled installations, supporting a large number of communication protocols, from both the Utility and the industry.

- » Some of its main features are:
- » Independent of the type of switchgear.
- » Up to 32 cubicles with the same remote control unit.
- » History log of 1792 events.

## Technical Characteristics

### ekor.stp cgmcosmos

Rated voltage	12 / 24 kV
Rated current (In busbars and Outgoing line)	400 / 630 A
Short-time current (1 s / 3 s)	16 / 20 / 25 kA (1 s) 16 / 20 kA (3 s)
Rated frequency	50 / 60 Hz

### Dimensions

Width	730 mm
Depth	735 mm
Height	1555 / 1995 mm (Low base / High base)
Weight	247 / 267 mm (Low base / High base)

### ekor.stp cgm.3

Rated voltage	36 kV
Rated current (In busbars and Outgoing line)	400 / 630 A
Short-time current (1 s / 3 s)	16 / 20 kA
Rated frequency	50 / 60 Hz

### Dimensions

Width	836 mm
Depth	850 mm
Height	2005 mm
Weight	360 mm