Sales leaflet

TSA type Transformer

Power supply of aerial navigation aids

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TSA MMC type Transformer for power supply of aerial navigation aids

TSA MCC type transformers are used for the power supply of receivers far from any LV source.
The choice of voltage < 1000 V makes it possible to transport a small power rating over several kilometres.

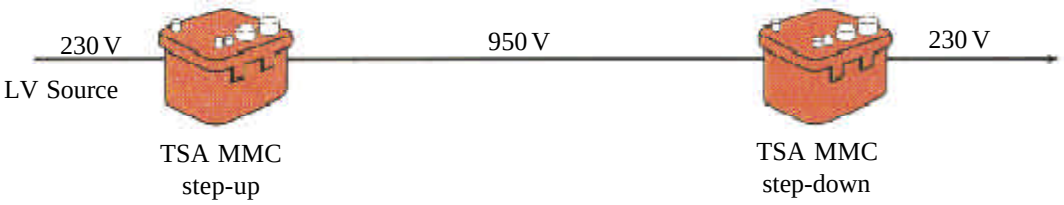


fig. 1

Advantages

These transformers allow:
- the use of LV cables
- the reduction of cable sections

ALL THE ADVANTAGES OF EPOXY RESIN
The use of epoxy resin guarantees that TSA type transformers are:
- corrosion-resistant, resistant to adverse weather conditions
- watertight
- insulating
- interrable in purposely-designed pits

Protections

The protection devices are built directly onto the transformer lid ensuring:

- For the **step-up** transformer: a secondary HRC fuse protection (fig.1), easily accessible.
- For the **step-down** transformer: a LV magnetic thermal circuit breaker (fig. 2) which provides protection against short circuits.
- For thermal protection a probe is incorporated into each of these transformers (step-up and step-down).

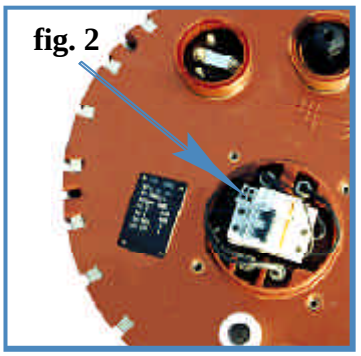
fig. 2

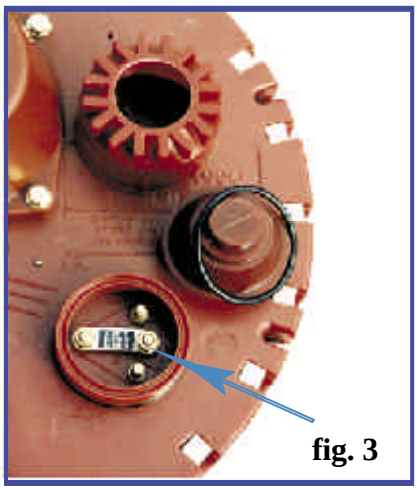
fig. 3

Main Specifications :

Transformers conform to current NFC 52 100 standards.

Power ratings:	5 - 10 kVA
Step-up Step-down	
Primary voltage:	230 V 950 V
Secondary no load voltage:	970 V 235 V
Coupling:	single phase

Off load voltage adjustment taps: +/- 5 %, allowing the adjustment of the voltage (fig.3)
Reduced extra losses
Dielectric: oil
Primary and secondary connection by 6 metre-long H07RN F type cable

Option: safety locking of manholes.