



17.5 KV MEDIUM VOLTAGE COMBINED TRANSFORMERS

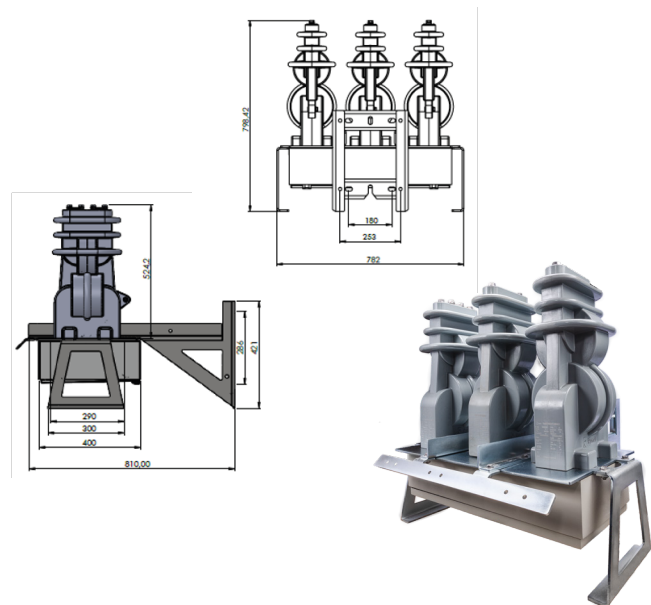


The combined measurement transformers offer a streamlined solution, housing both potential and current transformers within a single element. In a three-phase system, this setup comprises three individual combined transformers and a practical support for installation. Secondary connections are securely housed in a hermetic, hinged compartment integrated into the support structure.

- Corrosion-resistant fasteners and stainless steel components, enhancing durability.
- Cost savings on structures, connectors, and installation.
- Includes a support system prepared for pole installation, simplifying setup.
- Internal connection between the potential and current transformers, saving time during installation.

ADVANTAGES

- Reduced installation space requirements due to the compact design.
- High accuracy class, making it suitable for precise measurement locations.
- Resistance to extreme climatic conditions, ensuring reliability in various environments.



TECHNICAL CHARACTERISTICS

TYPE		Outdoor
MODEL		TCT
CHARACTERISTICS		Terminals or Cable
RESIN		Cycloaliphatic Epoxy
SYSTEM		Three-phase
MAXIMUM INSULATION LEVEL	kV	17.5
OPERATING VOLTAGE	kV	13.2/V $\sqrt{3}$
INSULATION CLASS		F
MAXIMUM VOLTAGE	kV	17.5
BIL, WAVE 1.2/50 μ S PRIMARY	kV	95
INSULATION LEVEL	kV	17.5/38/95
FREQUENCY	HZ	60
WINDING MATERIAL		Copper
CREEPAGE DISTANCE		783
POTENTIAL TRANSFORMER CHARACTERISTICS		
RATED PRIMARY VOLTAGE	V	From 7,200/ $\sqrt{3}$ to 14,400/ $\sqrt{3}$ V
RATED SECONDARY VOLTAGE	V	110/V $\sqrt{3}$ - 115/V $\sqrt{3}$ - 120/V $\sqrt{3}$
SECONDARY WINDING RATED		110/V $\sqrt{3}$ - 115/V $\sqrt{3}$ - 120/V $\sqrt{3}$
CLASS	%	0.5-0.2
POWER	VA	25-15-10-5-2.5-1
SECONDARY WINDING POWER SUPPLY	V	120
POWER FACTOR		1.2 One continuous 1.9 30s
CURRENT TRANSFORMER CHARACTERISTICS		
TRANSFORMER RATIO	A	From 2.5/5 A to 500/5 A
PRIMARY CURRENT NOMINAL	A	From 2.5 To 500
RATED SECONDARY CURRENT	A	5
CLASS	%	0.5S-0.2S
THERMAL CURRENT (ITH)	kA	4-8
DYNAMIC CURRENT (ID)	kA	2.5 Ith
APPROXIMATE DIMENSIONS		
A. WIDTH	mm	2782
B. LENGTH	mm	810
C. HEIGHT	mm	798
TOTAL WEIGHT	Kg	150
MANUFACTURING AND TESTING STANDARDS		IEC61869-1-2-3-4