DISTRIBUTION TRANSFORMERS

Hermetically Sealed Transformers

Oil-immersed, sealed-tank distribution solutions

A sealed oil-filled tank with flexible corrugated walls accommodates thermal expansion of the insulating liquid while limiting contact between oil and ambient air.



Representative product photograph.

25–5,000 kVA
Distribution family rating

1–66 kV
Distribution family voltage

TECHNICAL SPECIFICATIONS

Insulation / tank	Oil-immersed; hermetically sealed tank
Rated frequency / phases[1]	50 or 60 Hz; single-phase or three-phase
Winding / connections[1]	Copper or aluminium; star, zig-zag or delta
Cooling[1]	ONAN, ONAF, KNAN, KNAF
Tap changer	Off-circuit, 5 positions
Tank tightness	Up to 0.5 bar (catalogue statement)
Applicable references[1]	IEC 60076; EN 50464-1; TS EN 60076; other standards as required

KEY FEATURES

- Corrugated tank walls; nitrogen cushion possible above 3,150 kVA or for radiator designs.
- Safety pressure valve, thermometer pocket, oil filling plug and drain valve.
- HV bushings: DIN 42531 / EN 50180; LV bushings: DIN 42530 / EN 50386.
- Contact thermometer up to 630 kVA; hermetical relay recommended from 800 kVA.
- Lifting lugs, rating plate, earthing terminals and 90° bi-directional rollers.

APPLICATIONS

- Distribution substations and utility networks
- Industrial plants and pole or substation installations

STD e-catalogue, pp. 10–11, 16–17.

[1] Distribution-family data; the exact rating, cooling and connection combination is subject to engineering confirmation.