

Dry Type Transformer

TDT-D

Technical Data

TGOOD
2018-12-9

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1. TDT-D technical data



Environmental conditions

Maximum ambient temperature	+40°C (higher temperature optional)
Minimum ambient temperature	Indoor: -5°C Outdoor: -25°C (lower temperature optional)
Altitude	<1000m (higher value optional)
Annual rainfall	Max: 1800-2400 Min: 0-100
Average annual lightning ground flash density	3 strikes per km ²
Solar radiation-maximum	1.1 kW/m ² , High ultra violet content
Humidity	90%

General technical data

Applicable standards	IEC 60076	
Installation location	Indoor in enclosure	
No. of phases	3	
Tapping range	±2 x 2.5%	
Tapping method	Off-load tapping	
Temperature rise winding	K	100
Lightening impulse (HV/LV)	kV	75/3
Power frequency withstand (HV/LV)	kV	28/3
Frequency	Hz	50
No. of windings	2	
Winding material	Cu	
Rated voltage ratio	V	11000/ 415
Rated power	kVA	50-1000
Vector group	Dyn11	
Type of cooling	AN	

Partial discharge	pC	10
Maximum winding temperature rise	K	100
Impedance voltage	%	4.5
No-load loss	kW	1.27
On-load loss	kW	8.58
Sound Level	dB (A)	≤63
Climatic	Class	C2
Fire behavior class	Class	F1
Protection grade		IP23
Insulation class (HV/LV)		F
Environment	Class	E2

External connection

HV		In accordance with IEC 60137
Terminal type		Cast resin, bolted/ plug in type.
Paint thickness	micron	>60
Paint color		RAL7035, or on customer request
Magnetic core material		Grain-oriented, silicon steel
LV winding material		Copper
HV winding material		Copper

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