Product data sheet Characteristics

TRI0630125498IP310

Trihal Cast Resin dry type transformer 630 kVA 6 kV GOST Dyn11 IP31





Product or component type Dry type transformer Network type AC Type of installation Indoor Maximum altitude <1000 m Cooling mode AN (air natural) Winding material Aluminium Insulation material Cast resin (HV) Pre-impregnated (LV) Degree of protection IP31 enclosure GOST Mounting mode Fixed		
Network type AC Type of installation Indoor Maximum altitude < 1000 m Cooling mode AN (air natural) Winding material Aluminium Insulation material Cast resin (HV) Pre-impregnated (LV) Degree of protection IP31 enclosure GOST	Product range	Trihal
Type of installation Indoor Maximum altitude < 1000 m Cooling mode AN (air natural) Winding material Aluminium Insulation material Cast resin (HV) Pre-impregnated (LV) Degree of protection IP31 enclosure GOST	Product or component type	Dry type transformer
Maximum altitude < 1000 m Cooling mode AN (air natural) Winding material Aluminium Insulation material Cast resin (HV) Pre-impregnated (LV) Degree of protection IP31 enclosure GOST	Network type	AC
Cooling mode AN (air natural) Winding material Aluminium Insulation material Cast resin (HV) Pre-impregnated (LV) Degree of protection IP31 enclosure GOST	Type of installation	Indoor
Winding material Insulation material Cast resin (HV) Pre-impregnated (LV) Degree of protection IP31 enclosure GOST	Maximum altitude	< 1000 m
Insulation material Cast resin (HV) Pre-impregnated (LV) Degree of protection IP31 enclosure GOST	Cooling mode	AN (air natural)
Pre-impregnated (LV) Degree of protection IP31 enclosure GOST	Winding material	Aluminium
	Insulation material	
Mounting mode Fixed	Degree of protection	IP31 enclosure GOST
	Mounting mode	Fixed

Complementary

Phase	3 phases	
Rated power	630 kVA	7
Rated frequency	50 Hz	_ t
Rated primary voltage	6 kV	_ 9
Secondary voltage (at no-load)	No load: 400 V	_ ç
Rated insulation level	Primary circuit: 28 kV AC Secondary circuit: 10 kV AC	— si bue r
Insulation voltage to industrial frequency (50 Hz 1 mn)	12 kV AC primary 1.1 kV AC secondary	— etiitiite
Lighting impulse whistand voltage (BIL) , 1.2/50 µs	75 kV	
Vector group	Dyn11	
HV tappings (off circuit)	+/- 2 x 2.5 %	— ē
Short circuit impedance	6 %	<u>u</u>
No-load losses	1370 W	— ci
Load losses at 75°C/120 °C	7600 W at 120 °C	
Temperature rise of windings	100 K (winding)	
Thermal class	F	— i

Sound power level	70 dB at 1 m
Protective relay	6.0 PTC relay 1.0 Ziehl relay
Height	1900 mm
Width	1020 mm
Length	1700 mm
Total weight	1688 kg

Environment

Ambient air temperature for operation	-4040 °C for C4
Ambient air temperature for storage	-5040 °C C4
Environmental certification	095 % (E4)
Fire certificate	F1
Standards	IEC 60076-11:2018

Packing Units

Package 1 Weight	2436.000 kg	
Package 1 Height	240.000 cm	
Package 1 width	117.000 cm	
Package 1 Length	200.000 cm	

