

# Trihal Cast Resin dry type transformer 2500 kVA 20 kV IEC Dyn5 IP21

TRI2500245298IP210

### Main

product range	Trihal
Product or component type	Dry type transformer
Network type	AC
Directives	2015/2014/548/EC- ecodesign
Type of installation	Indoor
maximum altitude	< 1000 m
cooling mode	ANAF (air natural air forced)
winding material	Aluminium
insulation material	Cast resin (HV) Pre-impregnated (LV)
degree of protection	IP21 enclosure IEC IP21 low voltage cable box
Mounting mode	Fixed

## Complementary

phase	3 phases
rated power	2500 kVA
rated frequency	50 Hz
rated primary voltage	20 kV
Secondary voltage ( at no-load)	No load: 400 V
Insulation voltage to industrial frequency ( 50 Hz 1 mn)	24 kV AC primary 1.1 kV AC secondary
rated insulation level	Primary circuit: 50 kV AC Secondary circuit: 3 kV AC
Lighting impulse whistand voltage ( BIL) , 1.2/50 μs	125 kV
Vector group	Dyn5
HV tappings (off circuit)	+/- 2 x 2.5 %
short circuit impedance	6 %
no-load losses	5000 W
load losses at 75°C/120 °C	24300 W at 120 °C
temperature rise of windings	100 K (winding)
thermal class	F
sound power level	59 dB at 1 m

Electrical connection	Plug-in bushing
protective relay	6.0 PTC relay 1.0 Ziehl relay
Locking options description	Bushing locking device high voltage connection
Height	2780 mm
Width	1700 mm
Length	2700 mm
total weight	6210 kg

## **Environment**

Ambient air temperature for operation	-2540 °C for C2
Ambient air temperature for storage	-5040 °C C4
environmental certification	095 % (E4)
fire certificate	F1
Standards	IEC 60076-11:2018



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability >

∇ Environmental footprint		
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	466186	

### **Use Better**

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
᠃ Energy efficiency	
Product contributes to saved and avoided emissions	Yes

### **Use Again**

○ Repack and remanufacture		
Take-back	No	