

Trihal Cast Resin dry type transformer 1000 kVA 20 kV IEC Dyn5 IP21

TRI1000245297IP210

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	Copper	
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	1000 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	2370 W	
load losses at 75°C/120 °C	11300 W at 120 °C	
temperature rise of windings	100 K (winding)	
thermal class	F	
sound power level	55 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	2100 mm	
Width	1500 mm	
Length	2200 mm	
total weight	3220 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

Packing Units

_	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	230 cm
Package 1 Width	150 cm
Package 1 Length	213 cm
Package 1 Weight	3720 kg



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 >

Use Better

Materials and Packaging	
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)

Use Again

○ Repack and remanufacture		
Take-back	No	