

Product data sheet

Specifications



Transformer, Trihal, Tier2, dry type, 2000kVA, 20kV, 410V, IP00

TRI200020003014

Main

Product range	Trihal
Product or component type	Transformer
Transformer type	Dry type transformer
Network type	AC
Standards	EN 50588
Directives	2021/2014/548/EC- ecodesign
Type of installation	Indoor
Maximum altitude	< 1000 m
Cooling mode	AN (air natural)
Winding material	Aluminium
Insulation material	Impregnated (LV) Cast resin (HV)
Degree of protection	IP00 enclosure
Mounting mode	Fixed

Complementary

Phase	3 phases
Rated power	2000 kVA
Rated frequency	50 Hz
Rated primary voltage	20 kV
Secondary voltage (at no-load)	No load: 410 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: 10 kV AC
Lighting impulse whistand voltage (BIL) , 1.2/50 μ s	95 kV
Vector group	Dyn11
HV tappings (off circuit)	+/- 2 x 2.5 %
Short circuit impedance	6 %
No-load losses	2340 W

Load losses at 75°C/120 °C	16000 W at 120 °C
Temperature rise of windings	100 K
Thermal class	F
Sound power level	55 dB at 1 m
Electrical connection	Cable high voltage connection
Protective relay	6 PTC relay 1 Ziehl relay
Height	2160 mm +/- 20 mm
Width	1268 mm +/- 20 mm
Length	1858 mm (+/- 20 mm)
Total weight	4299 kg +/- 5 %

Environment

Ambient air temperature for operation	-25...40 °C for C2
Ambient air temperature for storage	-50...40 °C C4
Environmental certification	0...95 % (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 Weight	42.99 kg
Package 1 Height	21.6 cm
Package 1 Width	12.68 cm
Package 1 Length	18.58 cm

Offer Sustainability

REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information

Recommended replacement(s)