

# 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 withstand voltage ( BIL) , 1.2/50 µs	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	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information

## Recommended replacement(s)