

Product data sheet

Specifications



Transformer, Trihal, Tier1, dry type, 1600kVA, 20kV, dyn5, IP00

TRI160024276519800

⚠ Discontinued on: Sep 30, 2022

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Main

Product Range	Trihal
Product Or Component Type	Transformer
Transformer Type	Dry type transformer
Network Type	AC
Directives	2015/2014/548/EC- ecodesign
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	IP00 no enclosure
Mounting Mode	Withdrawable Fixed

Complementary

Phase	3 phases
Rated Power	1600 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 primary 1.1 kV secondary
Rated Insulation Level	Primary circuit: 50 kV AC Secondary circuit: 10 kV AC
Lighting Impulse Whistand Voltage (Bil) , 1.2/50 Ms	125 kV for primary circuit
Vector Group	Dyn05
Hv Tappings (Off Circuit)	+/- 2 x 2.5 %
Short Circuit Impedance	6 %
No-Load Losses	2200 W
Load Losses At 75°C/120 °C	13000 W at 120 °C
Temperature Rise Of Windings	100 K (winding)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Thermal Class	F
Sound Power Level	68 dB at 1 m
Height	2344 mm
Width	963 mm
Length	1970 mm
Total Weight	5235 kg

Environment

Ambient Air Temperature For Operation	-25...40 °C for C4
Ambient Air Temperature For Storage	-50...40 °C C4
Environmental Certification	0...95 % (E4)
Fire Certificate	F1
Standards	IEC 60076-11:2018
Corrosion Category	C3M

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	234.4 cm
Package 1 Width	96.3 cm
Package 1 Length	197.0 cm
Package 1 Weight	5235.0 kg

Sustainability


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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)

Well-being performance

 Reach Free Of Svhc

 Rohs Exemption Information [Yes](#)

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive [Pro-active compliance \(Product out of EU RoHS legal scope\)](#)
[EU RoHS Declaration](#)

China Rohs Regulation [China RoHS declaration](#)
Product out of China RoHS scope. Substance declaration for your information