

# Product data sheet

Specifications



## MINERA TRANSFORMER 160 kVA - 20kV/410V AoCk

MIN016020001113

⚠ Discontinued on: Mar 31, 2022

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### Main

Product Range	Minera
Product Or Component Type	Oil type transformer
Dielectric Liquid	Mineral oil
Network Type	AC
Standards	EN 50588-1
Type Of Installation	Indoor
Maximum Altitude	< 1000 m
Cooling Mode	ONAN (oil natural air natural)
Winding Material	Aluminium
Degree Of Protection	IP00 IP21 low voltage cable box
Mounting Mode	Ground mounted

### Complementary

Directives	2015/2014/548/EC- ecodesign
Phase	3 phases
Rated Power	160 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)	50 kV primary 3 kV secondary
Rated Insulation Level	Primary circuit: 24 kV Secondary circuit: 1.1 kV
Lighting Impulse Whistand Voltage ( Bil) , 1.2/50 Ms	125 kV
Vector Group	Dyn11
Hv Tappings (Off Circuit)	+/- 2 x 2.5 %
Short Circuit Impedance	4 %
No-Load Losses	210 W
Load Losses At 75°C	2350 W
Temperature Rise Of Windings	60 K (oil) 65 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	A
Sound Power Level	35 dB at 1 m
Electrical Connection	Plug-in bushing high voltage connection Porcelain bushing high voltage connection Porcelain bushing low voltage connection Bar low voltage connection
Protective Relay	DMCR relay
Locking Options Description	Without keylocks
Height	1255 mm +/- 20 mm
Width	774 mm +/- 20 mm
Length	1000 mm (+/- 20 mm)
Total Weight	760 kg +/- 5 % 170 kg +/- 5 % oil

## Environment

Maximum Ambient Temperature	40 °C
Ambient Air Temperature For Operation	-20...40 °C
Ambient Air Temperature For Storage	-20...40 °C
Environmental Certification	0...95 %
Corrosion Category	C3

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	126.3 cm
Package 1 Width	78 cm
Package 1 Length	100 cm
Package 1 Weight	825 kg

## Sustainability




**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**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	
	Mercury Free	
	Rohs Exemption Information	<a href="#">Yes</a>
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Reach Regulation		<a href="#">REACH Declaration</a>
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Eu Rohs Directive		Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
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China Rohs Regulation		<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
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