

Product data sheet

Specifications



MINERA TRANSFORMER 400 kVA - 20kV/410V AoCk

MIN040020001119

⚠ Discontinued on: Mar 31, 2022

⚠ Discontinued

Main

| | |
|---------------------------|------------------------------------|
| Product Range | Minera |
| Product Or Component Type | Oil type transformer |
| Dielectric Liquid | Mineral oil |
| Network Type | AC |
| Standards | NF EN 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 | 400 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 | 430 W |
| Load Losses At 75°C | 4600 W |

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

| | |
|------------------------------|--|
| Temperature Rise Of Windings | 60 K (oil) 65 K (winding) |
| Thermal Class | A |
| Sound Power Level | 40 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 | 1541 mm +/- 20 mm |
| Width | 884 mm +/- 20 mm |
| Length | 1234 mm (+/- 20 mm) |
| Total Weight | 1275 kg +/- 5 % 285 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 | 155.3 cm |
| Package 1 Width | 89 cm |
| Package 1 Length | 127 cm |
| Package 1 Weight | 1345 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-CO₂ 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 | 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 | |