

Product data sheet

Specifications



MINERA TRANSFORMER 400 kVA - 15/20kV -410V AoCk

MIN040015201121

⚠ Discontinued on: 31 March 2022

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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	15/20 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 withstand voltage (BIL) , 1.2/50 µs	125 kV
Vector group	Dyn11
HV tapings (off circuit)	+/- 2 x 2.5 %
Short circuit impedance	4 %
No-load losses	494.5 W

Load losses at 75°C	5060 W
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	1546 mm +/- 20 mm
Width	969 mm +/- 20 mm
Length	1546 mm (+/- 20 mm)
Total weight	1415 kg +/- 5 % 395 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	97 cm
Package 1 Length	160 cm
Package 1 Weight	1525 kg

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
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes

Recommended replacement(s)