



Main

Range of product	Minera
Product or component type	Oil type transformer
Network type	AC
Type of installation	Indoor
Product certifications	IEC
Relay type	1 DMCR relay

Complementary

Type of cooling	ONAN (oil natural air natural)
Rated power in VA	160 kVA
Network frequency	50 Hz
Electrical insulation class	A
Network number of phases	3 phases
Primary voltage	20 kV
Locking options description	Without keylocks high voltage connection
Isolation voltage	Secondary: 1.1 kV AC Primary: 24 kV AC
[Ui] rated insulation voltage	Secondary circuit : 10 V AC Primary circuit : 50 V AC
[Uimp] rated impulse withstand voltage	125 kV
Secondary voltage	410 V at no load
Vector group	Dyn11
Tapping range	+/- 2 x 2.5 %
Number of steps	5
Temperature rise	65 K (oil)
Percentage impedance voltage	4 %
No load losses	210 W
Thermal losses	2350 W at 120 °C
Operating altitude	< 1000 m
Material	Aluminium
Mounting mode	Fixed
Mounting support	Floor
IP degree of protection	IP21 optional MINBAC01000250 low voltage cable box IP00 enclosure IEC
Product weight	825 kg 171 kg insulation
Height	1263 mm
Width	780 mm

Length	1000 mm
Noise level	35 dB at 1 m

Environment

Ambient air temperature for operation	-20...40 °C
Ambient air temperature for storage	-20...40 °C
Relative humidity	0...95 %

Product Life Status : **Commercialised**