



Main

Product range	Minera
Product or component type	Oil type transformer
Dielectric liquid	Mineral oil
Network type	AC
Type of installation	Indoor
Maximum altitude	< 1000 m
Cooling mode	ONAN (oil natural air natural)
Winding material	Aluminium
Degree of protection	IP00 enclosure IEC IP21 optional MINBAC01000250 low voltage cable box
Mounting mode	Fixed

Complementary

Phase	3 phases
Rated power	160 kVA
Rated frequency	50 Hz
Rated primary voltage	15/20 kV
Secondary voltage (at no-load)	No load: 410 V
Rated insulation level	Primary circuit: 50 V AC Secondary circuit: 10 V AC
Insulation voltage to industrial frequency (50 Hz 1 mn)	24 kV AC primary 1.1 kV AC secondary
Lighting impulse withstand voltage (BIL) , 1.2/50 µs	125 kV
Vector group	Dyn11
HV tappings (off circuit)	+/- 2 x 2.5 %
Short circuit impedance	4 %
No-load losses	241.5 W
Load losses at 75°C	2585 W
Temperature rise of windings	65 K (oil)
Thermal class	A

Sound power level	35 dB at 1 m
Protective relay	1.0 DMCR relay
Locking options description	Without keylocks high voltage connection
Height	1358 mm
Width	778 mm
Length	1210 mm
Total weight	790 kg 174 kg insulation

Environment

Ambient air temperature for operation	-20...40 °C
Ambient air temperature for storage	-20...40 °C
Environmental certification	0...95 %

Packing Units

Package 1 Weight	790.000 kg
Package 1 Height	1358.000 mm
Package 1 width	778.000 mm
Package 1 Length	1210.000 mm

