



Main

Product range	Minera
Product or component type	Oil type transformer
Dielectric liquid	Mineral oil
Network type	AC
Standards	IS 1180
Type of installation	Indoor/outdoor
Maximum altitude	< 1000 m
Cooling mode	ONAN (oil natural air natural)
Winding material	Copper
Degree of protection	IP00 conventional IS 2099 IP00 conventional IS 3347 IP55 low voltage cable box
Mounting mode	Ground mounted

Complementary

Phase	3 phases
Rated power	1600 kVA
Rated frequency	50 Hz
Rated primary voltage	33 kV
Secondary voltage (at no-load)	Operation/loading as per IS standard: 433 V
Rated insulation level	Primary circuit: 70 kV AC Secondary circuit: 3 kV AC
Insulation voltage to industrial frequency (50 Hz 1 mn)	36 kV AC primary 1.0 kV AC secondary
Lighting impulse withstand voltage (BIL) , 1.2/50 μ s	170 kV
Vector group	Dyn11
HV tapings (off circuit)	- 10...5 x 2.5 %
Short circuit impedance	6.25 %
Temperature rise of windings	40/45 K (oil and winding insulation)

Thermal class	A
Electrical connection	Cable box high voltage connection Cable box low voltage connection
Protective relay	OTI relay WTI relay BR relay PRV relay
Height	2400 mm
Width	3000 mm
Length	3150 mm
Total weight	5680 kg

Environment

Maximum ambient temperature	50 °C
Ambient air temperature for operation	-6...50 °C
Ambient air temperature for storage	-6...50 °C
Environmental certification	0...95 %
Fire certificate	Level 1

Packing Units

Package 1 Weight	6250.000 kg
Package 1 Height	2650.000 mm
Package 1 width	3200.000 mm
Package 1 Length	2800.000 mm

