



### Main

Range of product	Minera
Product or component type	Oil type transformer
Network type	AC
Type of installation	Indoor/Outdoor
Product certifications	IS 1180
Relay type	OTI relay WTI relay BR relay PRV relay

### Complementary

Type of cooling	ONAN (oil natural air natural)
Rated power in VA	1600 kVA
Network frequency	50 Hz
Electrical insulation class	A
Network number of phases	3 phases
Primary voltage	33 kV
Electrical connection	Cable box high voltage connection Cable box low voltage connection
Isolation voltage	Primary: 36 kV AC Secondary: 1 kV AC
[Ui] rated insulation voltage	Secondary circuit : 3 kV AC Primary circuit : 70 kV AC
[Uimp] rated impulse withstand voltage	170 kV
Secondary voltage	433 V at operation/loading as per IS standard
Vector group	Dyn11
Tapping range	- 10...5 x 2.5 %
Number of steps	6
Temperature rise	40/45 K (oil and winding insulation)
Percentage impedance voltage	6.25 %
Operating altitude	< 1000 m
Material	Copper
Mounting mode	Ground mounted
IP degree of protection	IP55 low voltage cable box IP00 conventional conforming to IS 2099 IP00 conventional conforming to IS 3347
Product weight	5680 kg
Height	2400 mm

Width	3000 mm
Length	3150 mm

### Environment

Ambient air temperature for operation	-6...50 °C
Ambient air temperature for storage	-6...50 °C
Standards	NEMA
Relative humidity	0...95 %
Level or class	Level 1
Ambient air temperature for operation	50 °C

Product Life Status : **Commercialised**