

Pole Top - 1 kVA

SINGLE PHASE 'FIXED RATIO' POLE MOUNTED TRANSFORMER

Product Data Sheet

Revision: 3

ETEL

ISO 9001 Registered

ETEL have designed a fixed ratio, low kVA, single phase oil filled Distribution Transformer typically used under small loads, such as automation of outdoor switches, or an isolated street (or sign light).

The transformer has a fixed ratio to reduce the voltage from 11000 down to 240 volts (unloaded), and is useful in rural or remote areas, where no 240 volt supply is available.

The 1kVA Pole Top line includes 2 backup fuses (0.4 amps) internally mounted, connected in series with leads from the 11kV winding.

Cost efficiencies can be gained by using the ETEL 1 kVA, fixed ratio pole top transformer, rather than using a larger (tapped) Distribution Transformer.

ETEL offer as standard the best Long-term finish, utilising fully Hot Dipped Galvanised Tanks and Lids. Painted and other solutions are available.



Features

- Integrated pole bracket and steel spacer bars
- Lid mounted HV bushings
- Long life hot dipped galvanized finish
- Ultra Small 1 kVA design
- Low loss electrical design
- HV Bushing fuses for backup protection
- Lifting lugs
- Surge arrestor brackets
- Optional fitted HV and LV surge arrestors.

Technical Specifications

Core Type	Distributed gap wound core, shell type transformer
Electrical Steel Type	Cold rolled, grain oriented, silicon steel sheets
Tank Sealing	Hermetically sealed
Oil Type	Oil filled to BS148 and AS1767
HV Volts	11000
LV Volts	240
HV Tappings	NOT AVAILABLE
Oil / Winding Rises	60 / 65°C
BIL / Power Frequency Levels	95kVpeak / 28kVrms
Maximum Operating Pressure	35kPA
HV Bushing Fuses (for backup protection)	0.4 Amps in-line fuse mounted inside each HV bushing. Expulsion type.

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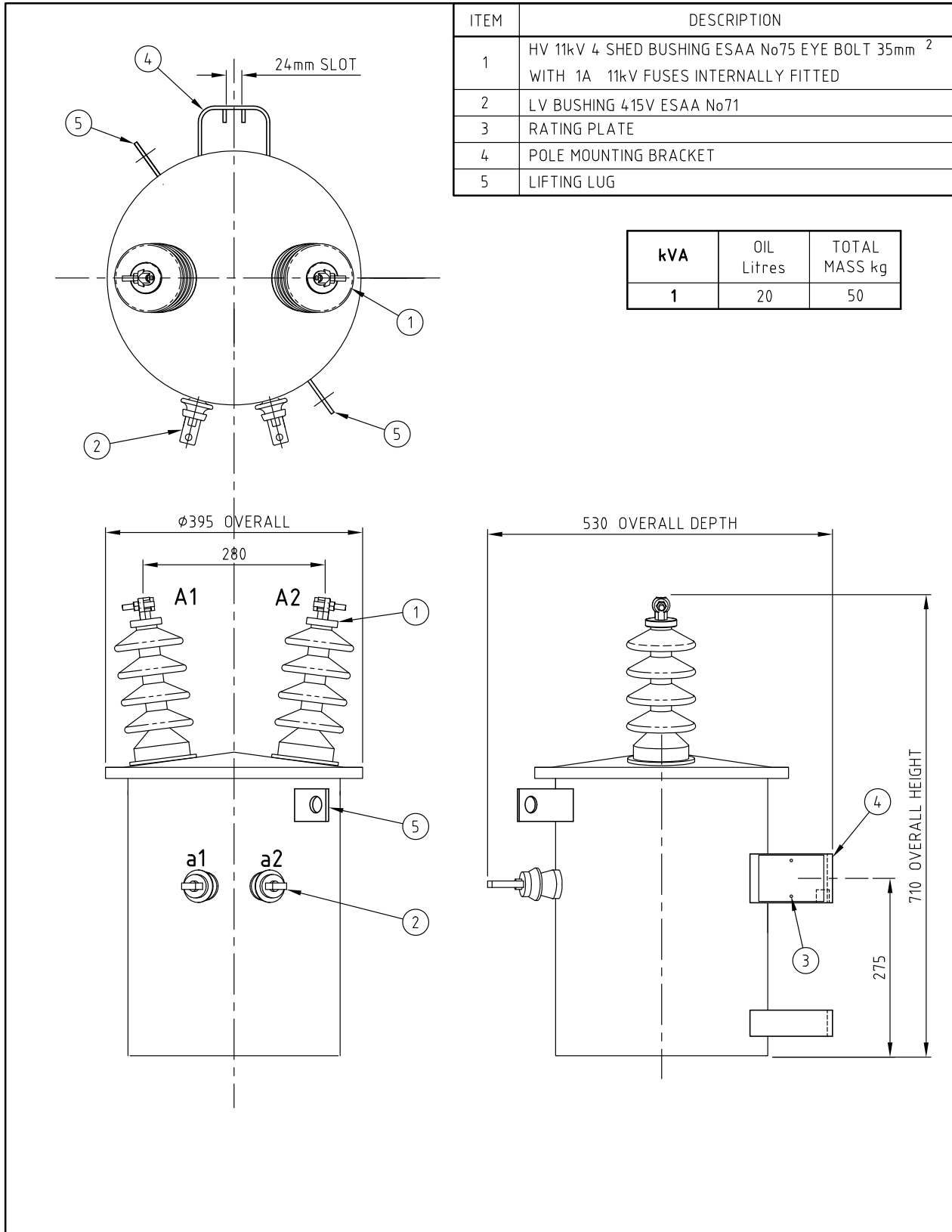
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ITEM	DESCRIPTION
1	HV 11kV 4 SHED BUSHING ESAA No75 EYE BOLT 35mm ² WITH 1A 11kV FUSES INTERNALLY FITTED
2	LV BUSHING 415V ESAA No71
3	RATING PLATE
4	POLE MOUNTING BRACKET
5	LIFTING LUG

kVA	OIL Litres	TOTAL MASS kg
1	20	50

Drawn	A.ROBERTS	24 MAY 2011	Checked	VIRGILIO	24 MAY 2011	GENERAL ARRANGEMENT 1Ø POLEBOLT TRANSFORMER FIXED RATIO 1 kVA	Scale		
Rev	C	REDRAWN	A.R	24 MAY 11	V.S.		Tolerance		
Distribution Transformers						DRAWING No.	039.904.0079	Rev	C