


- IMPEDANCE SHOWN IS CALCULATED VALUE

d000190hb



hammond
POWER SOLUTIONS

Guelph, ONT Compton, CA
Hyderabad, IN

HPS Sentinel™ H
DRY TYPE HARMONIC MITIGATING TRANSFORMER
TRANSFORMATEUR À SEC POUR MITIGATION D'HARMONIQUES

Baraboo, WI
Monterrey, MX

Part No. SH3T0500KB3S

Serial No. [] No. de Serie []

Phase 3

Type K HV/HT 480V

Cooling Refroidissement ANN Term Bornes H1 H2 H3

kVA 500 LV/BT 208Z/120V

Temp. Rise Echauffement 150 °C Term Bornes X1 X2 X3

Temp Class Classe Temp 220 °C Neutral X0(200%)

Winding Enroulement AL Energy Regulations DOE 10 CFR PART 431:2016

Frequency Fréquence Hz 60 CEE ACT SOR/2018-201

Impedance % @ 170 °C 3.4 Z₀ 1.5 MAX

Encl Type Type De Coffrage 3R Number of Secondaries []

Weight Poids lbs 4400/1996

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 12 INCHES

ELECTROSTATIC SHIELD VOLTAGE ERROR +/-2.0%

VOLTS	CURRENT COURANT	% RATED VOLTAGE /% NOMINALE	CONNECTION CONNECTION CONNECTION PAR PHASE
504	573	105	1-2
492	587	102.5	1-2
480	601	100	2-3
468	617	97.5	3-4
456	633	95	4-5
444	650	92.5	5-6
432	668	90	6-7

SENTINEL H

ANGULAR DISPLACEMENT 0°

X1 X2 X3 X0

SEISMIC QUALIFICATIONS:
AS FLOOR MOUNT ONLY
IBC 2018/ASCE 7-16
SDS<=2.0g Z/n=0 Ip=11.5



TITLE: 3PH DISTRIBUTION TRANSFORMER NAMEPLATE INFORMATION					
NO.	DATE	BY	REVISION	DES:	LCEN
4	21/11/25	CS	NPL IMPEDANCE AND WEIGHT UPDATE	DATE:	19/04/26
3	21/07/16	PP	EDB UPDATE	SCALE:	NTS

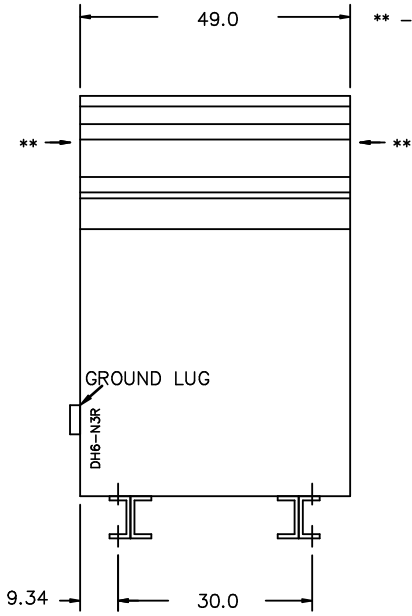
SHEET 1 OF 3

EDB SH3T0500KB3S

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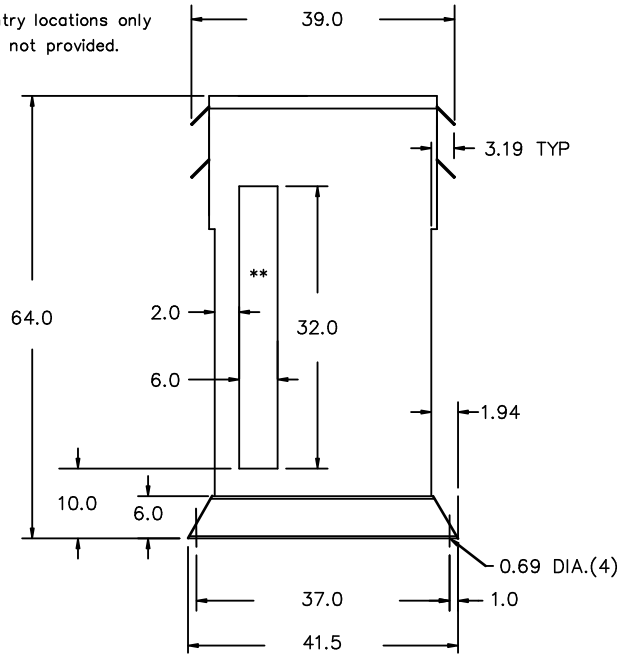
THIS DRAWING CONTAINS STRICTLY CONFIDENTIAL INFORMATION BELONGING TO HAMMOND POWER SOLUTIONS AND MUST NOT BE DISTRIBUTED OUTSIDE AUTHORIZED PARTIES.

FRONT VIEW



** - Recommended cable entry locations only
cutouts & gland plates not provided.

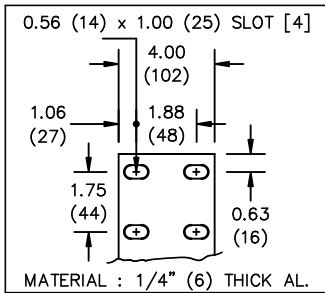
SIDE VIEW



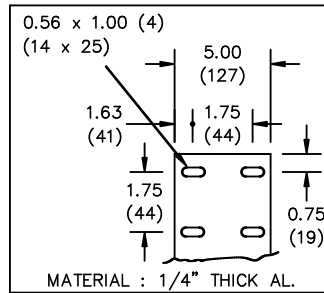
All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY - OUTDOOR

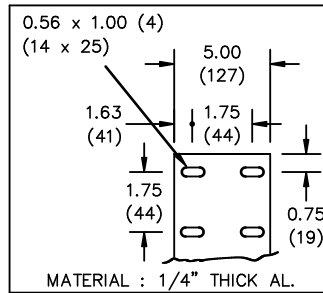
HV TERMINAL DETAIL



LV TERMINAL DETAIL



XO TERMINAL DETAIL



CUSTOMER NOTES:

- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT
- XO TERMINATED AT BOTTOM FRONT
- C/W:(2) XO TERMINALS(100% EACH)- DISTRIBUTE CABLES EVENLY AMONG BOTH

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ENCLOSURE BOTTOM VIEW



NOTE:
 WHEN BOTTOM CABLE ENTRY IS OPTED, THE SPACE USED FOR CONDUITS IN THE FRONT OF THE TRANSFORMER SHOULD NOT OBSTRUCT MORE THAN 50% OF THE FRONT AIR INTAKE AREA DEFINED BETWEEN THE BOTTOM PLATE AND THE SUPPORTING LEGS.
 SEE MANUAL FOR ADDITIONAL INFORMATION



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 ENCLOSURE BOTTOM VIEW

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