hammond POWER SOLUTIONS

ENERGY EFFICIENT HARMONIC MITIGATING TRANSFORMER

TRANSFORMATEUR ÉCONOME EN ÉNERGIE RÉDUISANT LES HARMONIQUES

Hyderabad, IN
Guelph, ONT
Compton, CA
Baraboo, WI
Monterrey, MX

Part No. SH3T0500PB3K

® LR 3902

DRY TYPE TRANSFORMER
77U5
E112313
LISTED

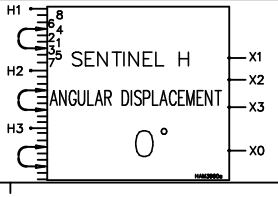
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ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD C802.2-18 BY UNDERWRITERS LABORATORIES INC.® 3VJ6

Cust. Ref. / Ref. du Client		Serial No. / No. de Serie	
Phase	3	Model	
Type	K	HV/HT	600V
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	CU	Energy Regulations	DOE 10 CFR PART 431:2016
Frequency / Frequence Hz	60	Reglements de Energetique	CEE ACT SOR/2018-201
Impedance % @ 170 °C	3.2	Z0	1.5 MAX
Encl Type / Type De Coffrage	3R	Number of Secondaries	
Weight / Poids lbs/kg	4230/1919		

VOLTS	CURRENT / COURANT	%RATED VOLTAGE / %TENSION NOMINALE	CONNECTION EACH PHASE / CONNEXION PAR PHASE
630	458	105	1-2
615	469	102.5	2-3
600	481	100	3-4
585	493	97.5	4-5
570	506	95	5-6
555	520	92.5	6-7
540	535	90	7-8

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 12 INCHES
ELECTROSTATIC SHIELD
VOLTAGE ERROR +/-1%



SEISMIC QUALIFICATIONS:
AS FLOOR MOUNT ONLY
IBC 2018/ASCE 7-16
SDS<=2.0g Z/h=0 Ip=1.5

d0001900b

- IMPEDANCE SHOWN IS CALCULATED VALUE - NOT GUARANTEED

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TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

NO.	DATE	BY	REVISION

SCALE: NTS
DATE: 21/11/03
DES: LCEN

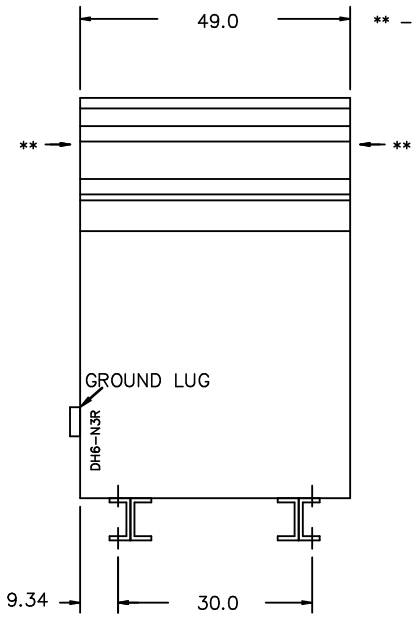
SHEET 1 OF 3

EDB SH3T0500PB3K

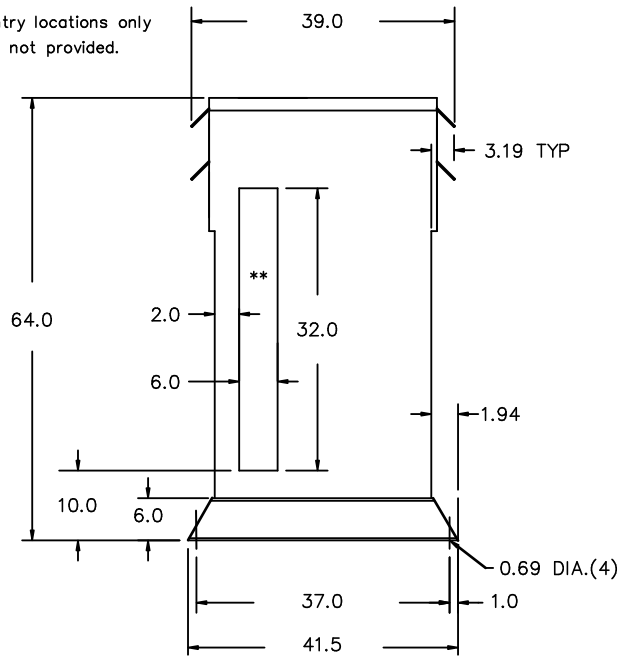
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FRONT VIEW



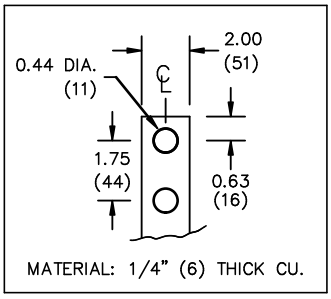
SIDE VIEW



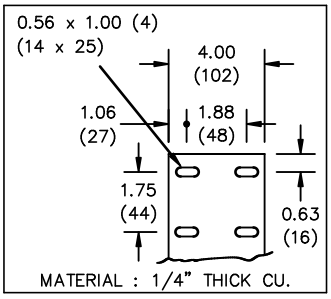
All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

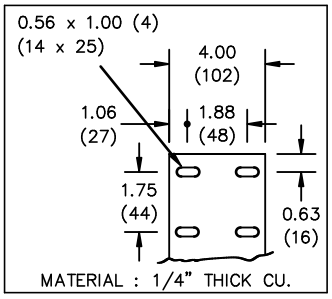
HV TERMINAL DETAIL



LV TERMINAL DETAIL



X0 TERMINAL DETAIL



CUSTOMER NOTES:

- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT
- X0 TERMINATED AT BOTTOM FRONT
- (2) X0 PADS – DISTRIBUTE CABLES EVENLY AMONG BOTH

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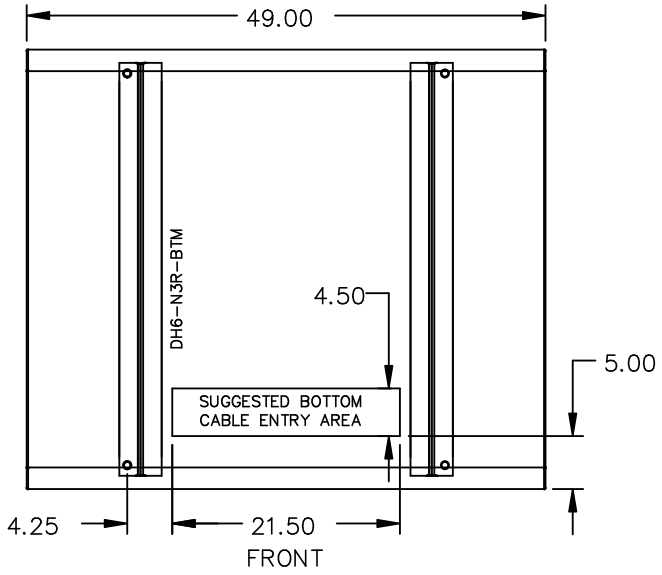
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SHEET 2 OF 3

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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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SHEET 3 OF 3

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