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. SH3T0500KB3S

® LR 3902

DRY TYPE TRANSFORMER 77U5 E112313 LISTED

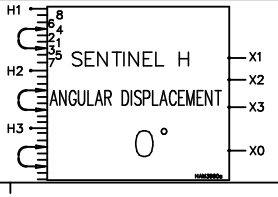
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ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD C802.2-18 BY UNDERWRITERS LABORATORIES INC.® 3VJ6

| | | | |
|---|---|---|---|
| Cust. Ref. / Ref. du Client | | Serial No. / No. de Serie | |
| Phase | 3 | Model | |
| Type | K | HV/HT | 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 / Frequence Hz | 60 | Reglements de Energetique | 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 | | |

| VOLTS | CURRENT COURANT | %RATED VOLTAGE %TENSION NOMINALE | CONNECTION EACH PHASE CONNEXION 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 |

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 12 INCHES
ELECTROSTATIC SHIELD
VOLTAGE ERROR +/-2.0%




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

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TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

| NO. | DATE | BY | REVISION |
|---|---|---|---|
| 4 | 21/11/25 | CS | NPL IMPEDANCE AND WEIGHT UPDATE |
| 3 | 21/07/16 | PP | EDB UPDATE |

SCALE: NTS | DATE: 19/04/26 | DES.: LCEN

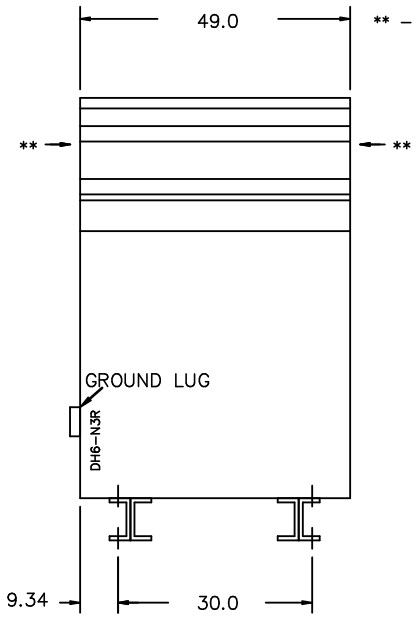
SHEET 1 OF 3

EDB SH3T0500KB3S

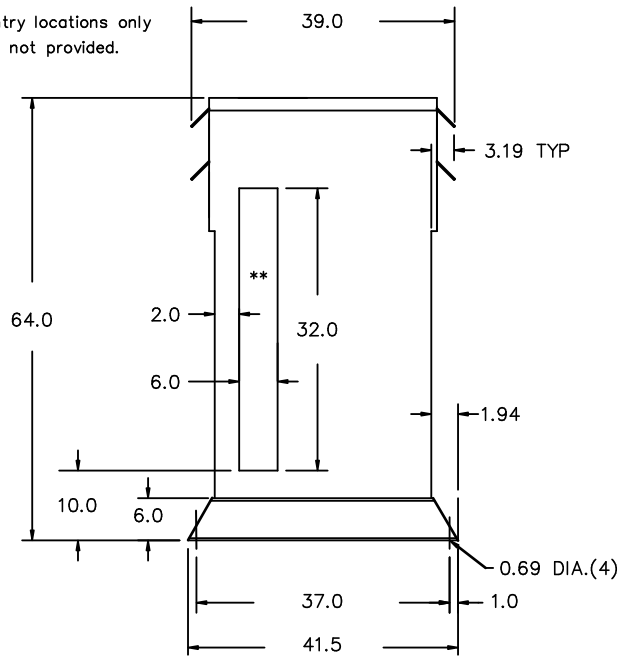


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FRONT VIEW



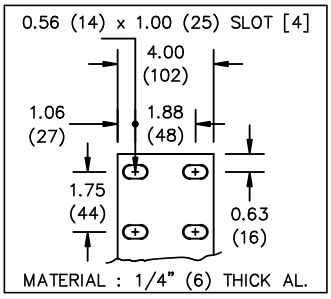

SIDE VIEW



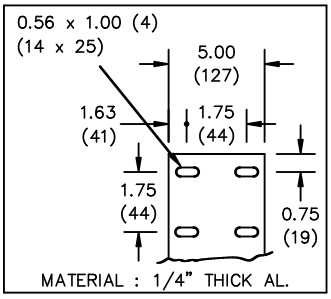

All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

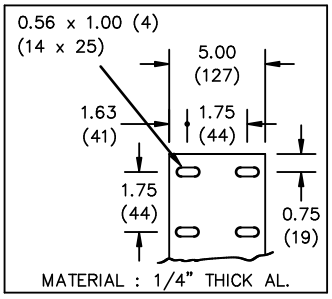
HV TERMINAL DETAIL




LV TERMINAL DETAIL




X0 TERMINAL DETAIL




CUSTOMER NOTES:
- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT
- X0 TERMINATED AT BOTTOM FRONT

C/W: (2) X0 TERMINALS(100% EACH)– DISTRIBUTE CABLES EVENLY AMONG BOTH

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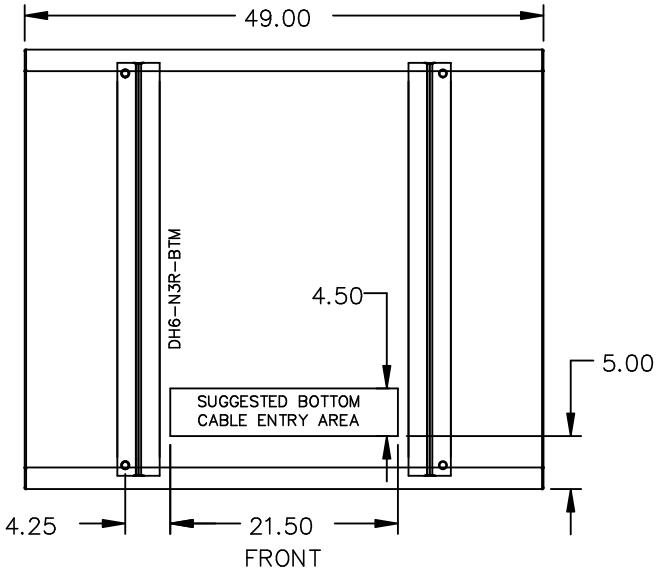
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ENCLOSURE BOTTOM VIEW




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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SHEET 3 OF 3

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