



TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

| | | | | |
|-----|----------|----|---------------------------------|----------------|
| 3 | 21/11/25 | CS | NPL IMPEDANCE AND WEIGHT UPDATE | DES: DCORTEZ |
| 2 | 21/07/16 | PP | EDB UPDATE | DATE: 19/04/01 |
| NO. | DATE | BY | REVISION | SCALE: NTS |

SHEET 1 OF 3

EDB SG3A0300KYOC

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POWER SOLUTIONS
Guelph, ONT
Hyderabad, IN Compton, CA

HPS Sentinel™ G
Energy Efficient Distribution Transformer
Transformateur de Distribution à Bon Rendement Énergétique

Baraboo, WI
Monterrey, MX

Part No. **SG3A0300KYOC**

LISTED



LR 3902
DRY TYPE TRANSFORMER
77US E112313
ALSO REFER TO IEC 60074-1
TO ENERGY STANDARD IEC 60074-18
BY UNDERWRITERS LABORATORIES INC. @ 016

Serial No. []
No. de Serie []

Phase 3 HV/HT []

Type K BIL []

Cooling Refroidissement ANN Term Bornes []

kVA 300 LV/BT 4.33A []

Temp. Rise Echauffement 150 °C BIL []

Temp Class 220 °C Term Bornes []

Winding Enroulement CU Energy Regulations []

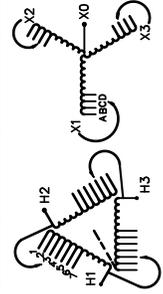
Frequency 60 Reglements de l'Energétique []

Impedance % @ 170 °C 3.6 []

Encl. Type 3R []

Weight Poids 2000 lbs []

| VOLTS | CURRENT COURANT | % RATED VOLTAGE TENSION NOMINALE | CONNECTION EACH PHASE CONNECTION PAR PHASE |
|-----------|-----------------|----------------------------------|--|
| 504 | 344 | 105 | 1 |
| 492 | 352 | 102.5 | 2 |
| 480 | 361 | 100 | 3 |
| 468 | 370 | 97.5 | 4 |
| 456 | 380 | 95 | 5 |
| 444 | 390 | 92.5 | 6 |
| 432 | 401 | 90 | 7 |
| SECONDARY | | | |
| 430 | 402 | | A |
| 416 | 416 | | B |
| 400 | 433 | | C |
| 380 | 455 | | D |



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

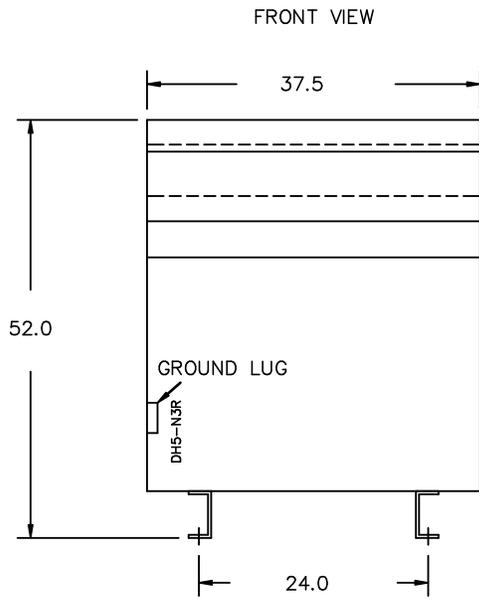
SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 5 INCHES

RATOR ERROR +/- 1.7% MAXIMUM AT SOME SECONDARY TAPS ONLY ONE LV TAP IN USE AT A TIME

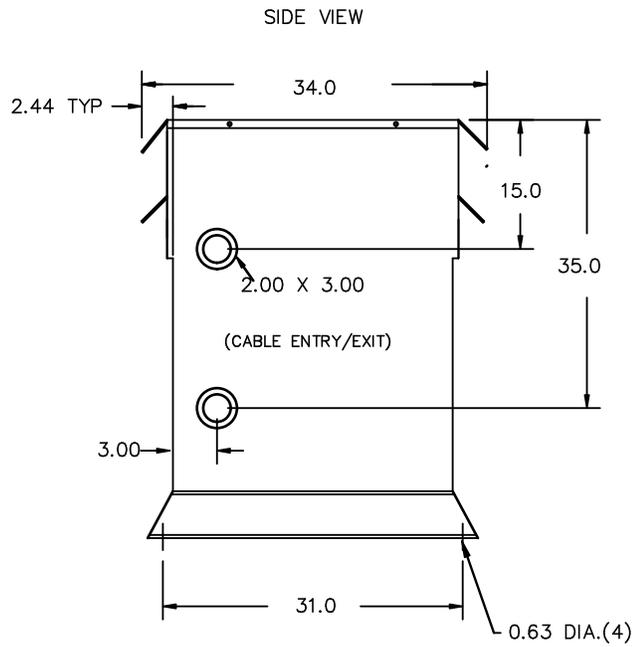
FOR DESIRED SECONDARY TAP VOLTAGE-LOCATE PROVIDED TERMINATION PADS

d000186hb

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

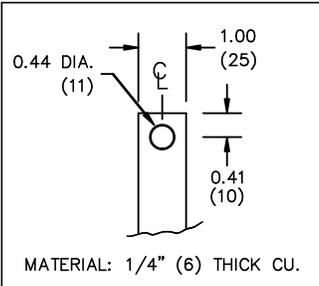


All Dimensions in inches

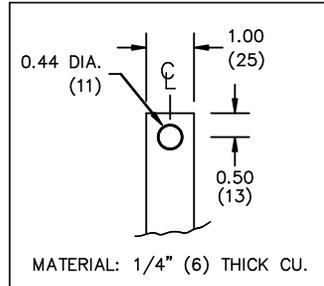


ENCLOSURE COLOR :ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL



LV TERMINAL DETAIL



CUSTOMER NOTES:

- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT
- X0 TOP FRONT, TAPS A,B,C,D (X1 X2 X3) BOTTOM FRONT



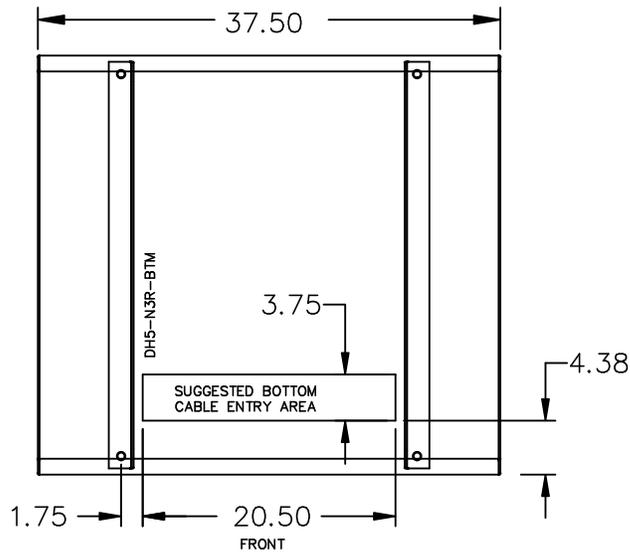
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EDBSC3A0300K100C

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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