hammond POWER SOLUTIONS

Energy Efficient Distribution Transformer

Transformateur de Distribution à Bon Rendement Énergétique

LR 3902

DRY TYPE TRANSFORMER 7TUS E112313 LISTED

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

8 03423 14068 7

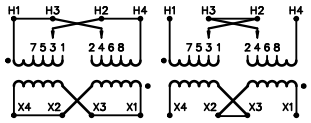
Hyderabad, IN | Guelph, ONT Compton, CA | Baraboo, WI Monterrey, MX

Part No. SG3N0100LE

| | | | |
|---|---|---|---|
| Cust. Ref. Ref. du Client | | Serial No. No. de Serie | |
| Phase | 1 | HV/HT | 240X480V 416.7/208A |
| Type | F | BIL | 10 kV |
| Cooling Refroidissement | ANN | Term Bornes | H1 H3 H2 H4 |
| kVA | 100 | LV/BT | 120/240V 833.3/417A |
| Temp. Rise Echauffement | 150 °C | BIL | 10 kV |
| Temp Class Classe Temp | 220 °C | Term Bornes | X4 X2 X3 X1 |
| 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 | 6.1 | | |
| Encl Type Type De Coffrage | 3R | | |
| Weight Poids lbs | 535 | | |

| VOLTS | CURRENT COURANT | % RATED VOLTAGE % TENSION NOMINALE | CONNECTION EACH PHASE CONNEXION PAR PHASE |
|---|---|---|---|
| 504 | 198 | 105 | H1, H4 |
| 492 | 203 | 102.5 | H1, H4 |
| 480 | 208 | 100 | H1, H4 |
| 468 | 214 | 97.5 | H1, H4 |
| 456 | 219 | 95 | H1, H4 |
| 444 | 225 | 92.5 | H1, H4 |
| 432 | 231 | 90 | H1, H4 |
| 252 | 396.8 | 105 | H1&H3, H2&H4 |
| 240 | 416.7 | 100 | H1&H3, H2&H4 |
| 228 | 438.6 | 0.95 | H1&H3, H2&H4 |
| 216 | 462.9 | 0.9 | H1&H3, H2&H4 |

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 5 INCHES EXCEPT WHEN WALL MOUNTED USING APPROVED WALL MOUNTING KIT
ESPACEMENTS ENTRE LES PANNEAUX DE BOÎTIER VENTILÉ ET LES MURS ADJACENT DOIVENT ÊTRE UN MINIMUM DE 5 POUNCES




SEISMIC QUALIFICATIONS:
AS FLOOR MOUNT ONLY
IBC 2018/ASCE 7-16
SDS<=2.0g Z/h=1 Ip=1.5

d000186hb

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TITLE: 1PH DISTRIBUTION TRANSFORMER NAMEPLATE INFORMATION

| NO. | DATE | BY | REVISION |
|---|---|---|---|
| 2 | 21/07/16 | PP | EDB UPDATE |
| 1 | 20/03/17 | PP | SEISMIC UPDATE |

SCALE: NTS | DATE: 17/04/27 | DES.: PPICASSI

SHEET 1 OF 4

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| PRIMARY VOLTS | CONNECTION LINES TO | INTER-CONNECT |
|---|---|---|
| 504 | H1,H4 | 1-H2,2-H3,H2-H3 |
| 492 | H1,H4 | 3-H2,2-H3,H2-H3 |
| 480 | H1,H4 | 3-H2,4-H3,H2-H3 |
| 468 | H1,H4 | 5-H2,4-H3,H2-H3 |
| 456 | H1,H4 | 5-H2,6-H3,H2-H3 |
| 444 | H1,H4 | 7-H2,6-H3,H2-H3 |
| 432 | H1,H4 | 7-H2,8-H3,H2-H3 |
| 252 | H1&H3, H2&H4 | 1-H2,2-H3,H1-H3,H2-H4 |
| 240 | H1&H3, H2&H4 | 3-H2,4-H3,H1-H3,H2-H4 |
| 228 | H1&H3, H2&H4 | 5-H2,6-H3,H1-H3,H2-H4 |
| 216 | H1&H3, H2&H4 | 7-H2,8-H3,H1-H3,H2-H4 |
| SECONDARY VOLTS | CONNECTION LINES TO | INTER-CONNECT |
| 240 | X1,X4 | X2-X3 |
| 120 | X1&X3, X2&X4 | X1-X3,X2-X4 |
| 120/240 | X1, X2orX3, X4 | X2-X3 |



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TITLE: 1PH DISTRIBUTION TRANSFORMER AUXILIARY TAP CHART

| NO. | DATE | BY | REVISION |
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| 2 | 21/07/16 | PP | EDB UPDATE |
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DATE: 17/04/27
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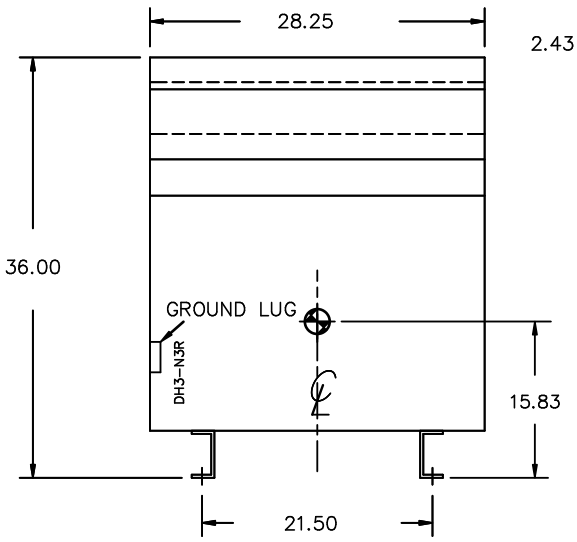
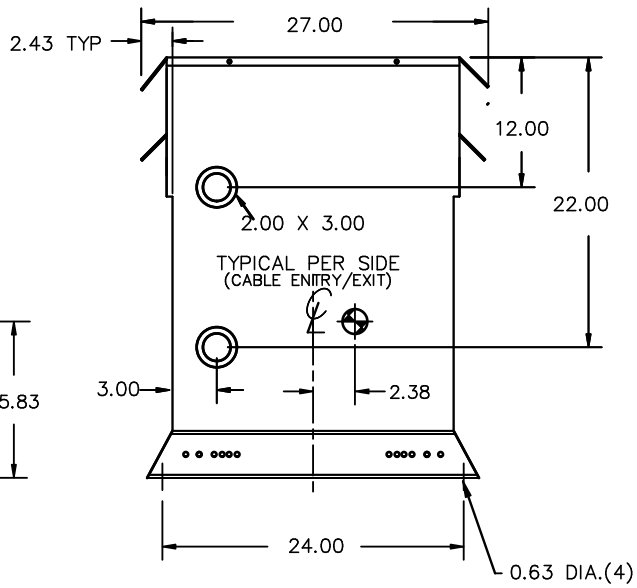
FRONT VIEW




SIDE VIEW



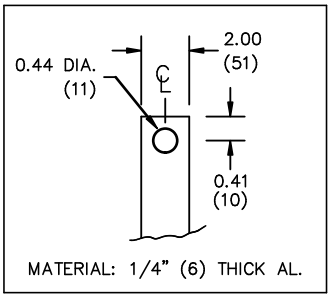

All Dimensions in inches

ENCLOSURE COLOR :ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR 600MCM–2 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

LV TERMINAL DETAIL




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



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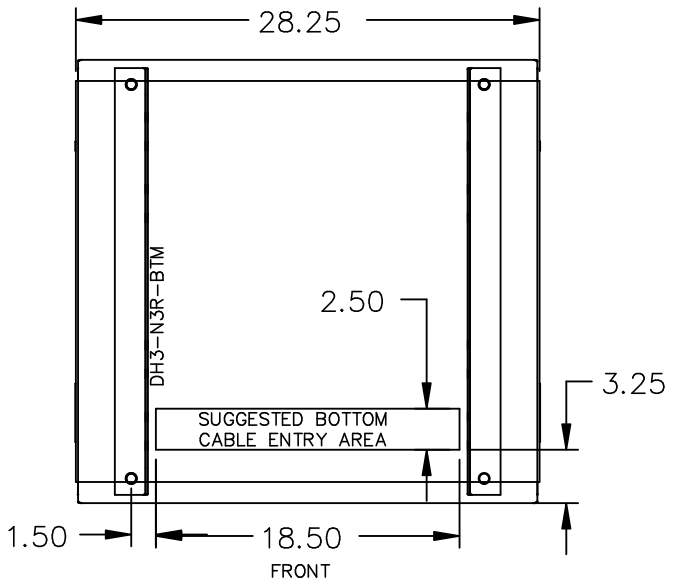
ENCLOSURE BOTTOM VIEW




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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TITLE: 1PH DISTRIBUTION TRANSFORMER ENCLOSURE BOTTOM VIEW

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