hammond POWER SOLUTIONS

# HPS Sentinel™ G

Energy Efficient Distribution Transformer

Transformateur de Distribution à Bon Rendement Énergétique

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

## Part No. SG3N0025LE0C

LR 3902

DRY TYPE TRANSFORMER 77U5 E112313 LISTED

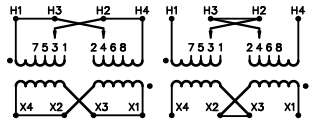
8 03423 14074 8

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 | 1 | HV/HT | 240X480V 104.2/52.1A |
| Type | F | BIL | 10 kV |
| Cooling / Refroidissement | ANN | Term / Bornes | H1 H3 H2 H4 |
| kVA | 25 | LV/BT | 120/240V 208.3/104.2A |
| Temp. Rise / Echauffement | 150 °C | BIL | 10 kV |
| Temp Class / Classe Temp | 220 °C | Term / Bornes | X4 X2 X3 X1 |
| 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 | 5.8 | | |
| Encl Type / Type De Coffrage | 3R | | |
| Weight / Poids lbs | 230 | | |

| VOLTS | CURRENT / COURANT | % RATED VOLTAGE / % TENSION NOMINALE | CONNECTION EACH PHASE / CONNEXION PAR PHASE |
|---|---|---|---|
| 504 | 49.6 | 105 | H1, H4 |
| 492 | 50.8 | 102.5 | H1, H4 |
| 480 | 52.1 | 100 | H1, H4 |
| 468 | 53.4 | 97.5 | H1, H4 |
| 456 | 54.8 | 95 | H1, H4 |
| 444 | 56.3 | 92.5 | H1, H4 |
| 432 | 57.9 | 90 | H1, H4 |
| 252 | 99.2 | 105 | H1&H3, H2&H4 |
| 240 | 104.2 | 100 | H1&H3, H2&H4 |
| 228 | 109.6 | 95 | H1&H3, H2&H4 |
| 216 | 115.7 | 90 | H1&H3, H2&H4 |

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 3 INCHES




SEISMIC QUALIFICATIONS:
OSP-0136/IBC 2018/ASCE 7-16
SDS<=2.0g Z/h=1 Ip=1.5

d000186hb

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

EDB SG3N0025LE0C

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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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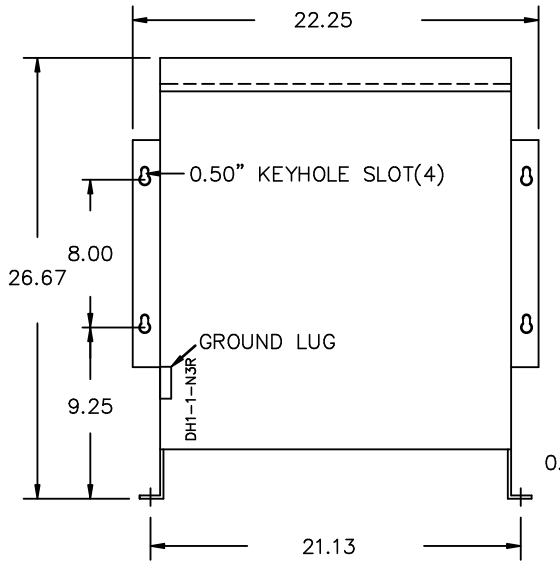
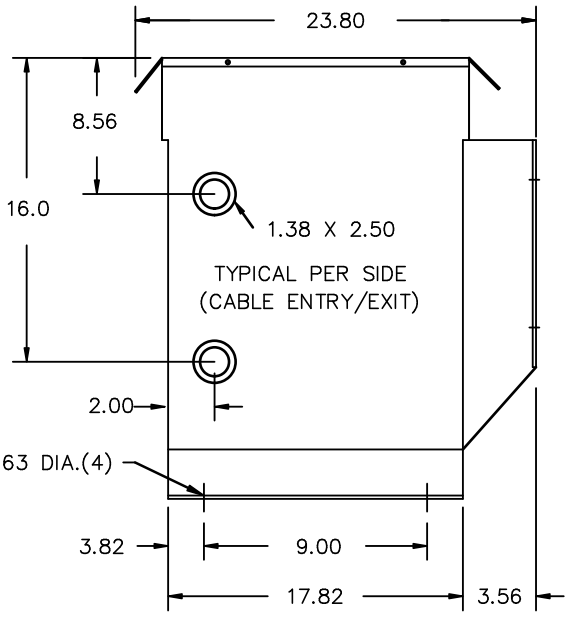
FRONT VIEW




SIDE VIEW




All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

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HV TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #14–2 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

LV TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #2/0–14 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

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

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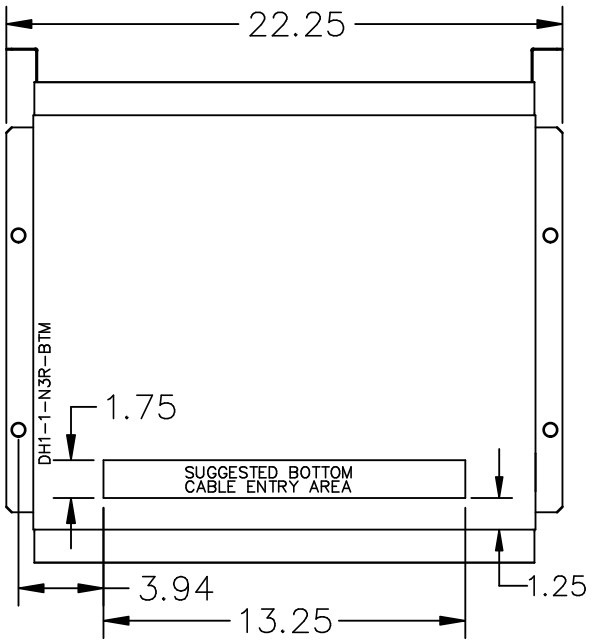
ENCLOSURE BOTTOM VIEW




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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|---|---|---|---|---|
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| | | | | SCALE: NTS |

SHEET 4 OF 4

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