# HPS Sentinel™ G

Energy Efficient Distribution Transformer

Transformateur de Distribution à Bon Rendement Énergétique

Hammond Power Solutions

Guelph, ONT
Compton, CA

Baraboo, WI
Monterrey, MX

Part No. SG3A0015KK

LR 3902

DRY TYPE TRANSFORMER
77U5
E112313
LISTED

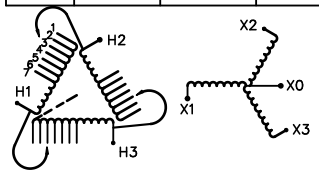
8 03423 12471 7

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 | HV/HT | 480V |
| Type | K | BIL | 10 kV |
| Cooling / Refroidissement | ANN | Term / Bornes | H1 H2 H3 |
| kVA | 15 | LV/BT | 480Y/277V |
| Temp. Rise / Echauffement | 150 °C | BIL | 10 kV |
| Temp Class / Classe Temp | 220 °C | Term / Bornes | X0 X1 X2 X3 |
| 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 | 4.9 | | |
| Encl Type / Type De Coffrage | 3R | | |
| Weight / Poids lbs/kg | 170/78 | | |

| VOLTS | CURRENT COURANT | % RATED VOLTAGE % TENSION NOMINALE | CONNECTION EACH PHASE CONNEXION PAR PHASE |
|---|---|---|---|
| 504 | 17.2 | 105 | 1 |
| 492 | 17.6 | 102.5 | 2 |
| 480 | 18.0 | 100 | 3 |
| 468 | 18.5 | 97.5 | 4 |
| 456 | 19.0 | 95 | 5 |
| 444 | 19.5 | 92.5 | 6 |
| 432 | 20.0 | 90 | 7 |

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




SEISMIC QUALIFICATIONS:
OSP-0136-10/IBC 2018/ASCE 7-16
SDS<=2.0g Z/h=1 Ip=1.5

d000186hb

Hammond Power Solutions Inc.

TITLE: 3PH DISTRIBUTION TRANSFORMER NAMEPLATE INFORMATION

| NO. | DATE | BY | REVISION |
|---|---|---|---|
| 3 | 21/07/16 | PP | EDB UPDATE |
| 2 | 20/03/17 | PP | SEISMIC UPDATE |

DES: JWEN
DATE: 15/11/09
SCALE: NTS

SHEET 1 OF 3

EDBSG3A0015KK

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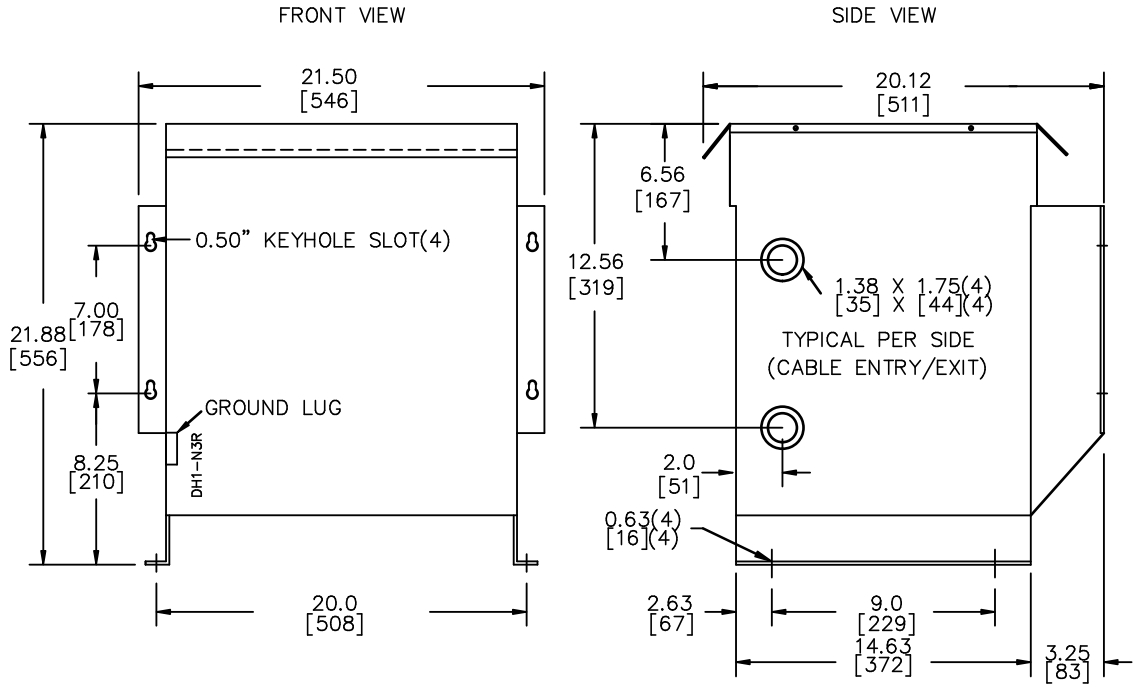


All Dimensions in inches[mm]

ENCLOSURE COLOR : ANSI-61 GREY PAINT OUTDOOR

H.V.1. TERMINAL DETAIL

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

L.V.1. TERMINAL DETAIL

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

CUSTOMER NOTES:
- HV1 TERMINATED AT TOP FRONT
- LV1 TERMINATED AT BOTTOM FRONT

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DES: JWEN
DATE: 15/11/09
SCALE: NTS

SHEET 2 OF 3

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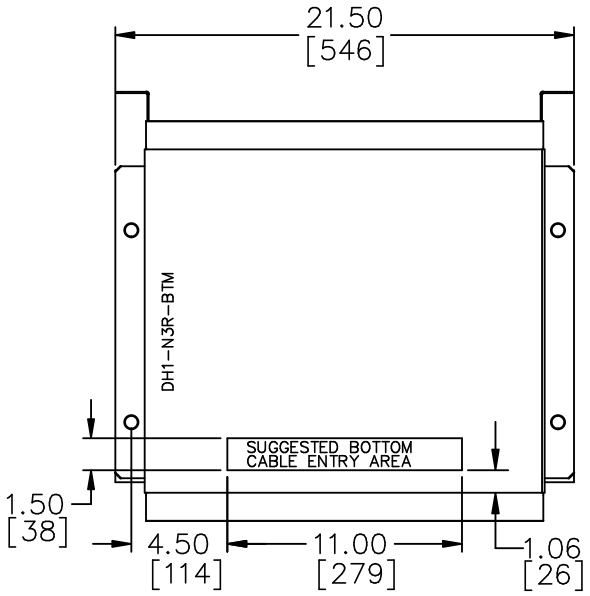
ENCLOSURE BOTTOM VIEW




FRONT

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: 3PH DISTRIBUTION TRANSFORMER
ENCLOSURE BOTTOM VIEW

| NO. | DATE | BY | REVISION | |
|---|---|---|---|---|
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SHEET 3 OF 3

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