



TITLE: 1PH DISTRIBUTION TRANSFORMER  
NAMEPLATE INFORMATION

NO.	DATE	BY	REVISION
2	21/07/16	PP	EDB UPDATE
1	20/03/17	PP	SEISMIC UPDATE
			DES: RMOVVA
			DATE: 17/06/23
			SCALE: NTS

SHEET 1 OF 4

EDB SG3N0100LEOC

2.0 httpd 2026/04/02 16:20

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

**POWER SOLUTIONS**  
Guelph, ONT  
Hyderabad, IN Compton, CA

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

Baraboo, WI  
Monterrey, MX

Part No. SG3N0100LEOC

Cust. Ref. \_\_\_\_\_  
Ref. du Client \_\_\_\_\_

Serial No. \_\_\_\_\_  
No. de Serie \_\_\_\_\_

Phase 1 HV/HT

Type F BIL

Cooling ANN Term Bornes

kVA 100 LV/BT

Temp. Rise 150 °C Echauffement

Temp Class 220 °C Classe Temp

Winding CU Energy Regulations

Frequency 60 Reglements de l'Énergétique

Impedance % 5.5 @ 170 °C

Encl. Type 3R Type de Coffrage

Weight 630 lbs Poids

240X480V 417X208A

10 kV

H1 H3 H2 H4

120/240V 833/417A

10 kV

X4 X2 X3 X1

DOE 10 CFR PART 431:2016

CEE ACT SOR/2018-201

VOLTS	CURRENT COURANT	% RATED % TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION 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	397	105	H1&H3, H2&H4
240	417	100	H1&H3, H2&H4
228	439	95	H1&H3, H2&H4
216	463	90	H1&H3, H2&H4

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

0000186hb



LISTED  
BY UNDERWRITERS LABORATORIES INC. @ 016

DRY TYPE TRANSFORMER  
7715 E112313  
8 0342314078 6

ALSO REFER TO CATALOGUE  
TO ENERGY STANDARDS CPD215-18  
BY UNDERWRITERS LABORATORIES INC. @ 016

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 RATIO ERROR IS TO THE NEAREST TURN PER STANDARD

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

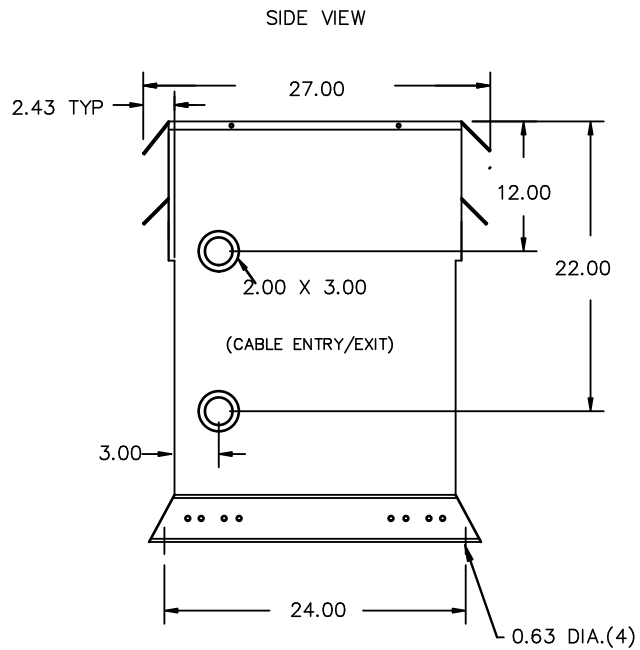
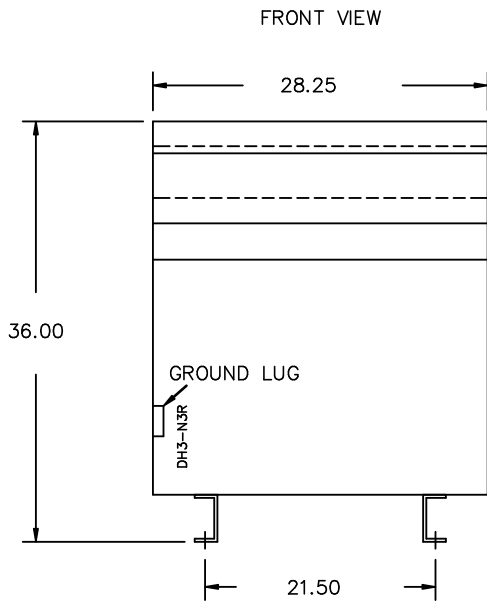


TITLE: 1PH DISTRIBUTION TRANSFORMER  
AUXILIARY TAP CHART

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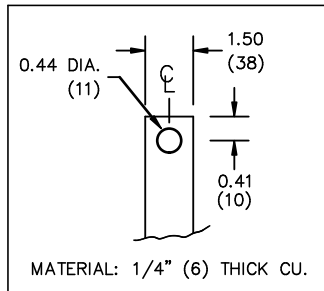
All Dimensions in inches

ENCLOSURE COLOR :ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

LV TERMINAL DETAIL

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



CUSTOMER NOTES:

- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT



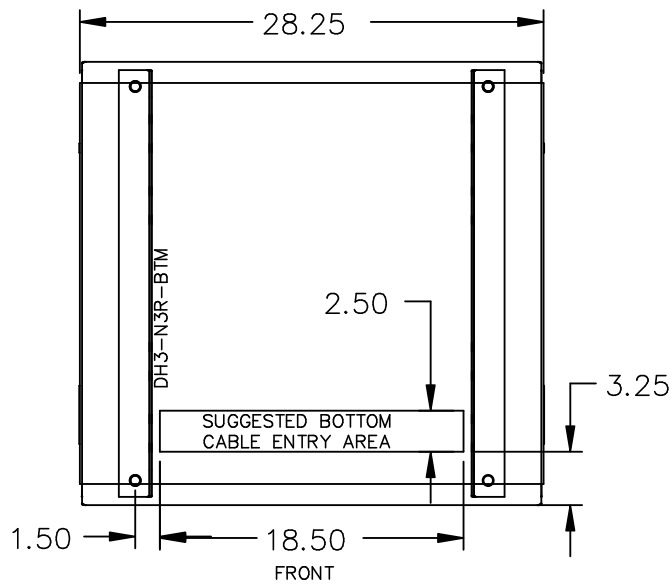
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ENCLOSURE BOTTOM VIEW



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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 ENCLOSURE BOTTOM VIEW

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