



TITLE: 1PH DISTRIBUTION TRANSFORMER  
NAMEPLATE INFORMATION

1	21/07/16	PP	EDB UPDATE	DES: RMOVVA
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 1 OF 3

EDB SG3L0100PEOC

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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

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

Baraboo, WI  
Monterrey, MX

Part No. **SG3L0100PEOC**

Cust. Ref. [ ] Serial No. [ ]  
Ref. du Client [ ] No. de Serie [ ]

Phase 1 HV/HT 600V 167A

Type F BIL 10 kV

Cooling Refroidissement ANN Term Bornes H1 H2

kVA 100 LV/BT 120/240V 833/417A

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 Fréquence Hz 60 Reglements de l'Energétique CEE ACT SOR/2018-201

Impedance % @ 170 °C 5.3

Encl. Type Type de Coffrage 3R

Weight Poids lbs 64.5

DRY TYPE DISTRIBUTION TRANSFORMER  
77US E112313

LR 3902

UL LISTED

0342314128 18

ALSO REFER TO UNDERWRITERS LABORATORIES INC. @ 3148

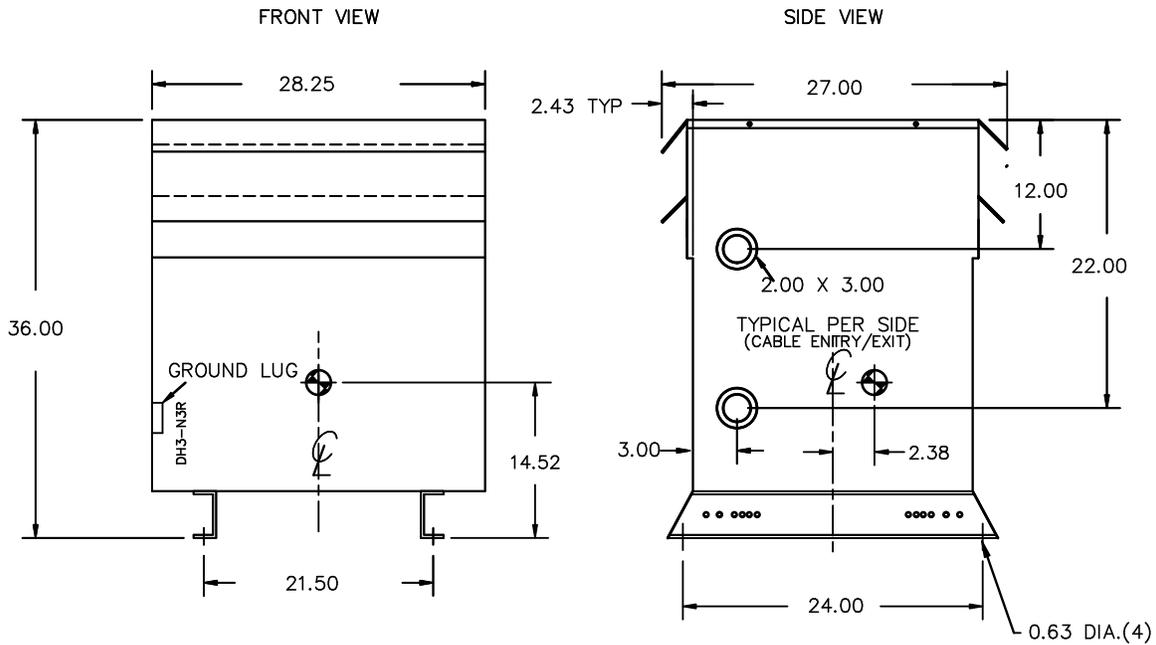
BY UNDERWRITERS LABORATORIES INC. @ 3148

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

VOLTS	CURRENT COURANT	% RATED % TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
630	159	105	1-2
615	163	102.5	2-3
600	167	100	3-4
585	171	97.5	4-5
570	175	95	5-6
120	833		X4&X2, X3&X1
240	417		X1, X4

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

d000186hb



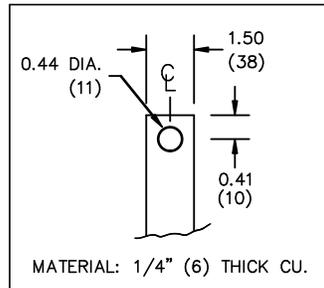
All Dimensions in inches

ENCLOSURE COLOR :ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

LV TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED  
 SUITABLE FOR 350MCM-6 CU/AL  
 CONDUCTORS  
 1 CONDUCTOR PER PHASE



CUSTOMER NOTES:

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



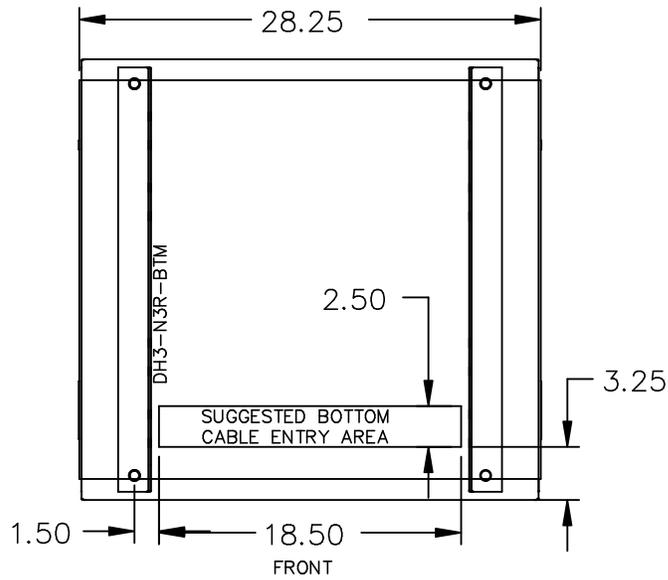
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EDBSC31010PEOC

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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