



TITLE: 1PH DISTRIBUTION TRANSFORMER  
NAMEPLATE INFORMATION

NO.	DATE	BY	REVISION	DES: RMOVVA
				DATE: 23/06/28
				SCALE: NTS

SHEET 1 OF 3

EDBSG3L0050HE

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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

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

Baraboo, WI  
Monterrey, MX

Part No. SG3L0050HE

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

Phase 1 HV/HT 416V 120A

Type F BIL 10 kV

Cooling Refroidissement ANN Term Bornes H1 H2

kVA 50 LV/BT 120/240V 417/208A

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

Impedance % @ 170 °C 5.9

Encl. Type Type de Coffrage 3R

Weight Poids lbs/kg 340/155

VOLTS	CURRENT COURANT	% RATED VOLTAGE % TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
437	114	105	1-2
426	117	102.5	2-3
416	120	100	3-4
406	123	97.5	4-5
395	127	95	5-6
120	417		X4&X2, X3&X1
240	208		X1, X4

LISTED LR 3902

DRY TYPE TRANSFORMER 800342314102 18

UL775 E112313 ALSO REFER TO UNDERWRITERS LABORATORIES INC. 0198

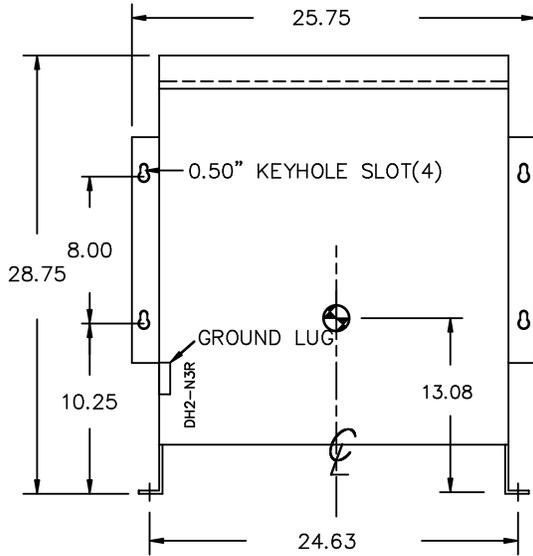
BY UNDERWRITERS LABORATORIES INC. 0198

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

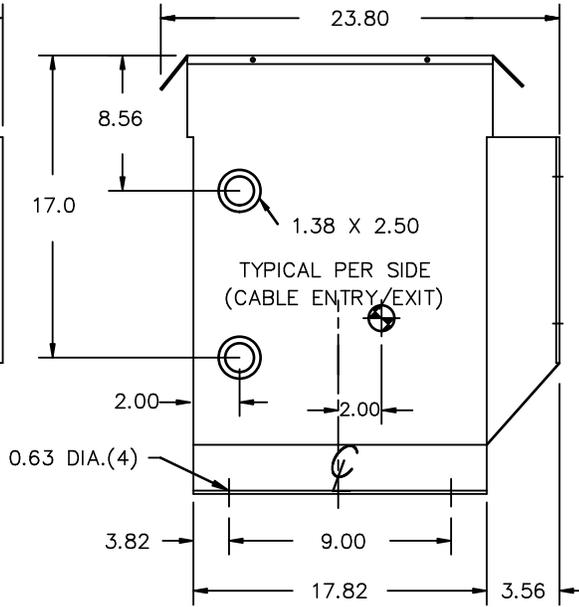
SEISMIC QUALIFICATIONS:  
OSP=0136/IBC 2018/ASCE 7-16  
SDS<=2.0g Z/h=1 Ip=1.5

d000186hb

FRONT VIEW



SIDE VIEW



All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

LV TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED  
SUITABLE FOR 250MCM-6 CU/AL  
CONDUCTORS  
1 CONDUCTOR PER PHASE

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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