



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: DCORTEZ
			DATE: 17/09/07
			SCALE: NTS

SHEET 1 OF 4

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**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

Cust. Ref. [ ] Serial No. [ ]  
 Ref. du Client [ ] No. de Serie [ ]  
 Phase 1 HV/HT 220X440V 68.2X34.1A  
 Type F BIL 10 kV  
 Cooling Refroidissement ANN Term Bornes H1 H3 H2 H4  
 kVA 15 LV/BT 120/240V 125.0/62.5A  
 Temp. Rise Echauffement 150 °C  
 Temp Class Classe Temp 220 °C  
 Winding Enroulement AL Energy Regulations  
 Frequency Fréquence Hz 60 Reglements de l'Energétique  
 Impedance % @ 170 °C 5.9  
 Encl. Type Type de Coffrage 3R  
 Weight Poids lbs/kg 185/84

DRY TYPE TRANSFORMER  
77US E112313  
ALSO REFER TO LOCAL CODES  
IN ENERGY STANDARDS CODE  
BY UNDERWRITERS LABORATORIES INC. @ 316

LR 3902  
034231741318  
E112313

LISTED  
SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 3 INCHES  
SUITABLE FOR OPERATION AT 50 HZ

VOLTS	CURRENT COURANT	% RATED VOLTAGE % TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
440	34.1		H1, H4
416	36.1		H1, H4
400	37.5		H1, H4
380	39.5		H1, H4
220	68.2		H1&H3, H2&H4
208	72.1		H1&H3, H2&H4
200	75		H1&H3, H2&H4
190	78.9		H1&H3, H2&H4

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

d000186hb

PRIMARY VOLTS	CONNECTION LINES TO	INTER-CONNECT
440	H1,H4	1-H2,2-H3,H2-H3
416	H1,H4	3-H2,4-H3,H2-H3
400	H1,H4	5-H2,6-H3,H2-H3
380	H1,H4	7-H2,8-H3,H2-H3
220	H1,H4	1-H2,2-H3,H1-H3,H2-H4
208	H1,H4	3-H2,4-H3,H1-H3,H2-H4
200	H1,H4	5-H2,6-H3,H1-H3,H2-H4
190	H1,H4	7-H2,8-H3,H1-H3,H2-H4
SECONDARY VOLTS	CONNECTION LINES TO	INTER-CONNECT
240	X1,X4	X2-X3
120	X1,X4	X1-X3,X2-X4
120/240	X1,X2,X4	X2-X3



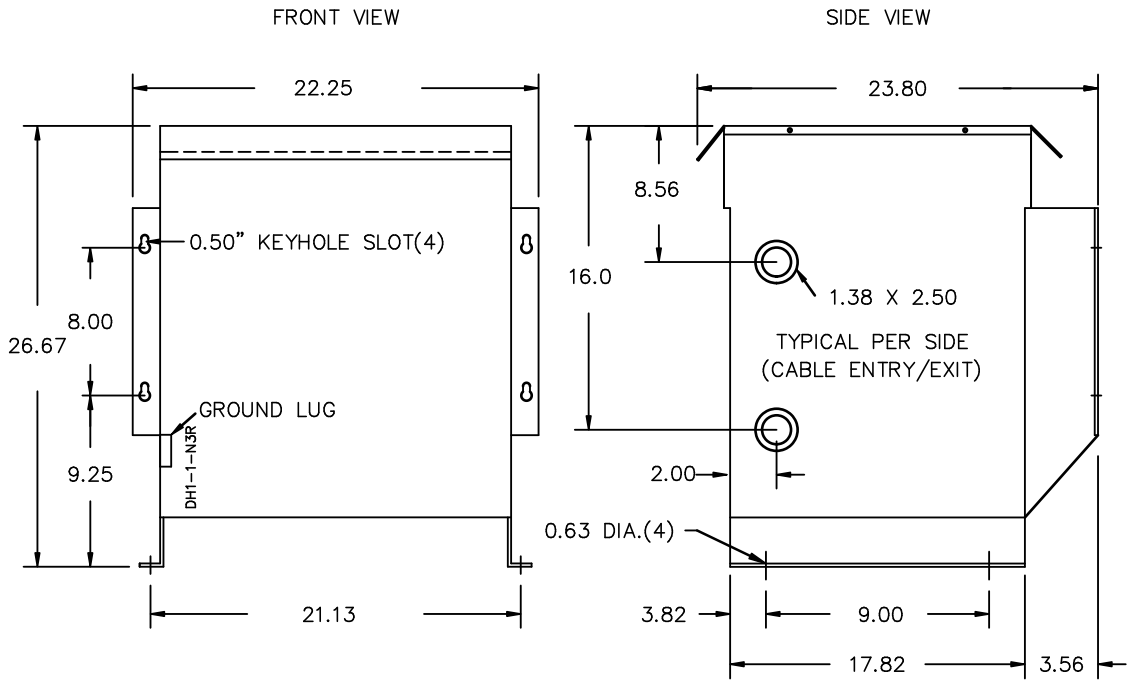
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CONNECTION CHART

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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 #14-2 CU/AL  
CONDUCTORS  
1 CONDUCTOR PER PHASE

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SUITABLE FOR #14-2 CU/AL  
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1 CONDUCTOR PER PHASE

CUSTOMER NOTES:

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



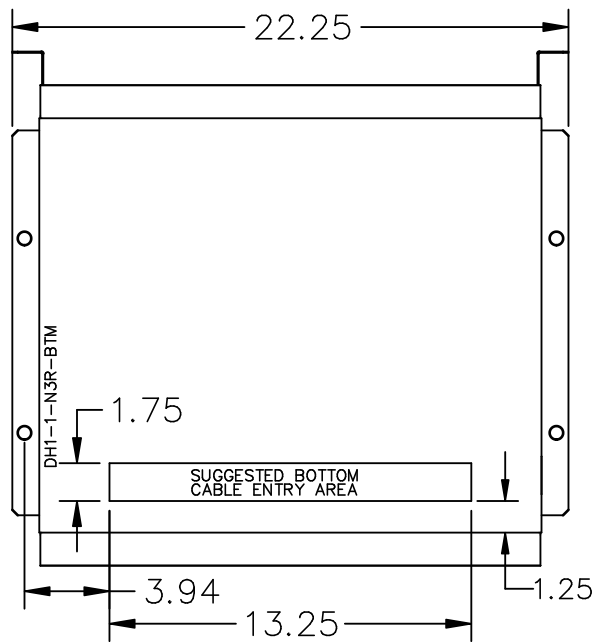
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ENCLOSURE BOTTOM VIEW



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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