



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

EDBSG3M0050XE

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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. **SG3M0050XE**

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

Phase 1 HV/HT 220X440V 227X114A

Type F BIL 10 kV

Cooling Refroidissement ANN Term Bornes H1 H3 H2 H4

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 380

LISTED

DRY TYPE TRANSFORMER
77US E112313

UL

LR 3902

8 03423 17134 9

ALSO REFER TO IEC 60076-1
TO ENERGY STANDARDS CRO20-18
BY UNDERWRITERS LABORATORIES INC. @ 016

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 3 INCHES
ESPACEMENTS ENTRE LES PANNEAUX DE BOTTIER VENTILE ET LES MURS ADJACENT DOIVENT ÊTRE UN MINIMUM DE 3 POUNCES

SUITABLE FOR OPERATION AT 50 HZ

SEISMIC QUALIFICATIONS, FLOOR MOUNT ONLY
QUALIFICATIONS SISMIQUES, MONTAGE AU SOL SEULEMENT
OSP-01.36-10 IBC 2012/ASCE 7-10
SDS<=2.06 Z/H=1 IP=1.5

VOLTS	CURRENT COURANT	% RATED VOLTAGE % TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
440	114		H1, H4
416	120		H1, H4
400	125		H1, H4
380	132		H1, H4
220	227		H1&H3, H2&H4
208	240		H1&H3, H2&H4
200	250		H1&H3, H2&H4
190	263		H1&H3, H2&H4

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



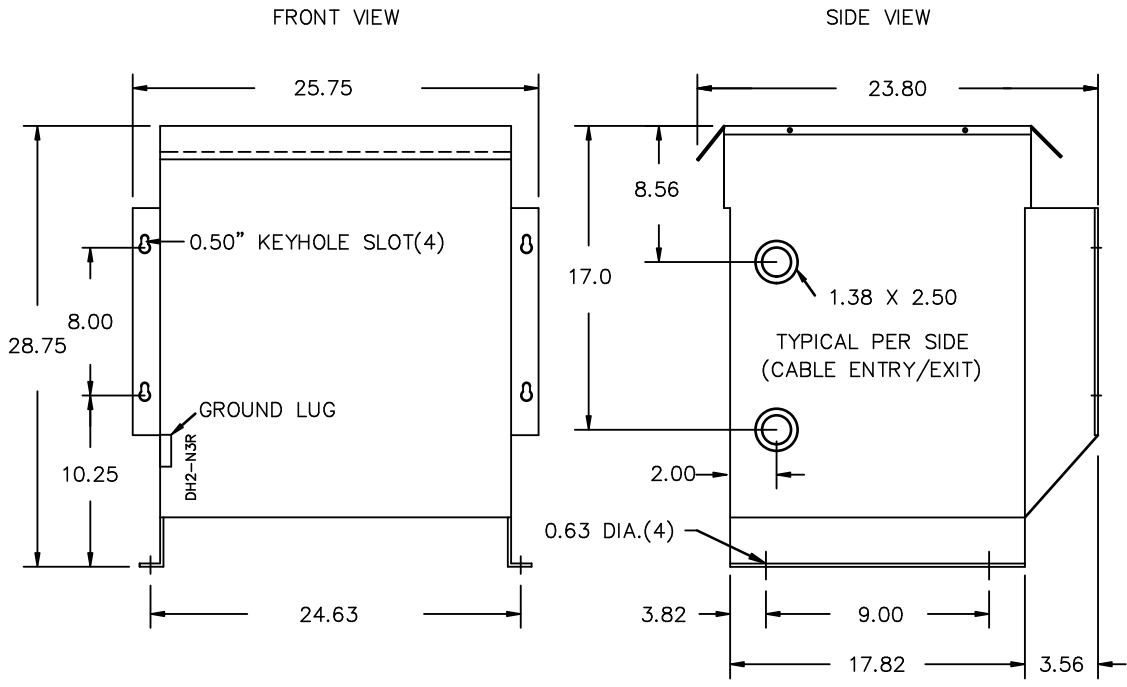
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CONNECTION CHART

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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 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



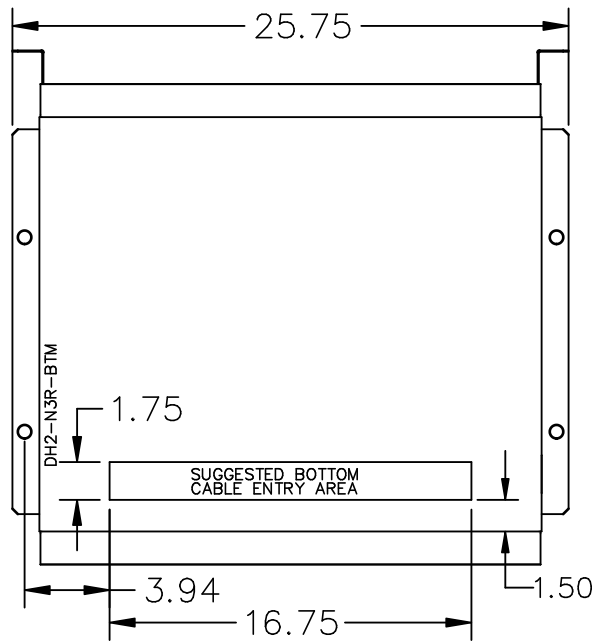
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ENCLOSURE BOTTOM VIEW



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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 ENCLOSURE BOTTOM VIEW

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