



TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

NO.	DATE	BY	REVISION	SCALE:
3	21/07/16	PP	EDB UPDATE	DES: RBHATIA
2	20/03/17	PP	SEISMIC UPDATE	DATE: 16/10/05
				SCALE: NTS

SHEET 1 OF 3

EDBSC3A0300KY

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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

Part No. **SG3A0300KY**

DRY TYPE DISTRIBUTION TRANSFORMER
771US
E112313

LR 3902

03423172800 5

ALSO REFER TO THE FOLLOWING STANDARDS:
UL 1568 AND IEC 60076-1
BY UNDERWRITERS LABORATORIES INC. 0198

LISTED

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

ONLY ONE TAP IN USE AT A TIME
RATIO ERROR +/- 2.1 % ON SOME TAPS

SEISMIC QUALIFICATIONS:
AS FLOOR MOUNT ONLY
IBC 2018/ASCE 7-16
SDS<=2.0g Z/h=0 Ip=1.5

VOLTS	CURRENT COURANT	% RATED VOLTAGE TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
504	344	105	1
492	352	102.5	2
480	361	100	3
468	370	97.5	4
456	380	95	5
444	390	92.5	6
432	401	90	7
SECONDARY			
430	402		A
416	416		B
400	433		C
380	455		D

Serial No. []
No. de Serie []

Phase 3 HV/HT

Type K BIL

Cooling Refroidissement ANN Term Bornes

kVA 300 LV/BT

Temp. Rise Echauffement 150 °C BIL

Temp Class Classe Temp 220 °C Term Bornes

Winding Enroulement AL Energy Regulations

Frequency Fréquence Hz 60 Reglements de l'Energétique

Impedance % @ 170 °C 5

Encl. Type Type de Coffrage 3R

Weight Poids lbs 2150

480V

10 kV

H1 H2 H3

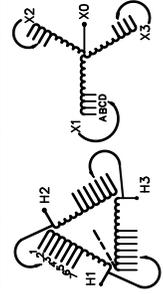
400Y/231V

10 kV

X0 X1 X2 X3

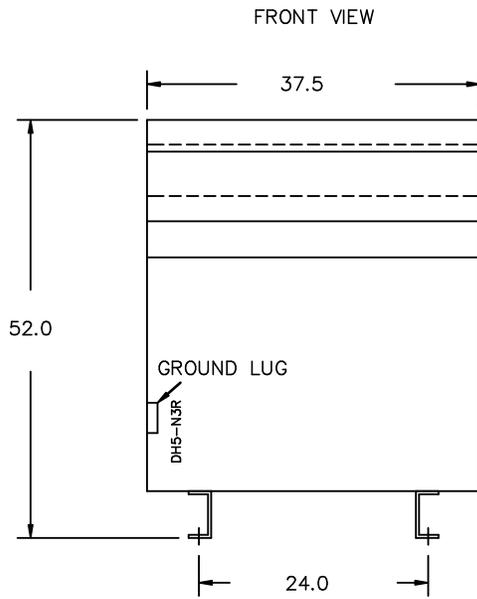
DOE 10 CFR PART 431:2016

CEE ACT SOR/2018-201

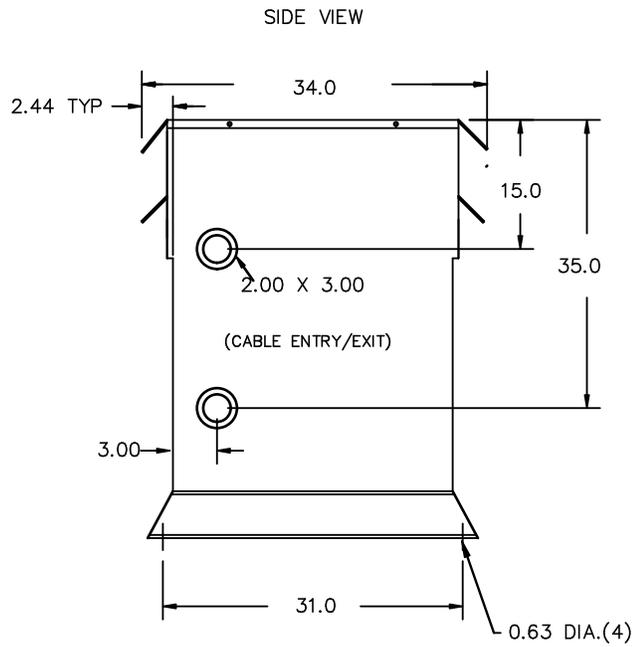


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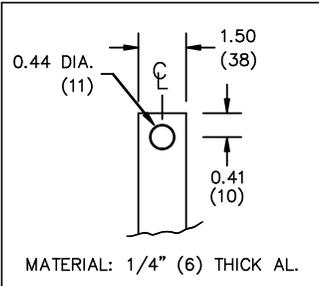


All Dimensions in inches

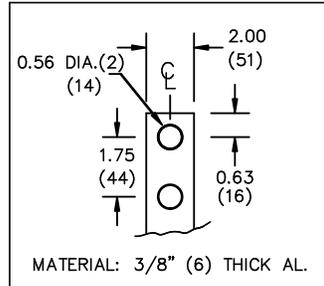


ENCLOSURE COLOR :ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL



LV TERMINAL DETAIL



CUSTOMER NOTES:

- HV TERMINATED AT TOP FRONT H1 H2 H3
- LV TERMINATED AT BOTTOM FRONT
- X0 IS PROVIDED AT THE TOP FRONT



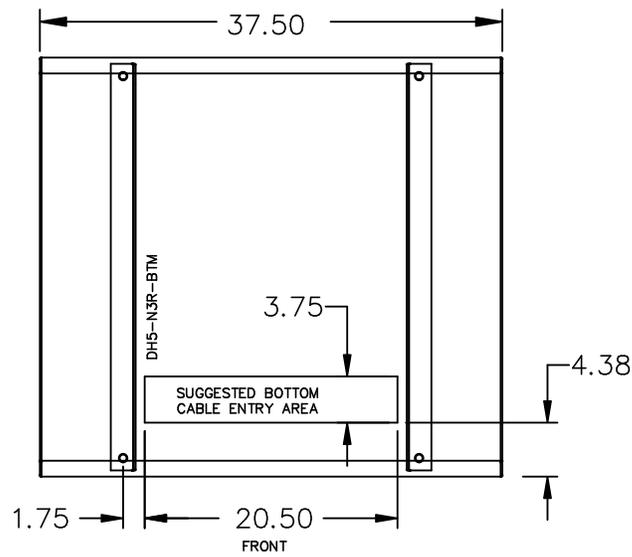
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ENCLOSURE BOTTOM VIEW



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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