



TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

NO.	DATE	BY	REVISION	DES:	JWEN
4	21/12/13	CS	NPL IMPEDANCE AND WEIGHT UPDATE	DATE:	15/11/09
3	21/07/16	PP	EDB UPDATE	SCALE:	NTS

SHEET 1 OF 3

EDBSC3A0030BK

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POWER SOLUTIONS
Guelph, ONT Compton, CA Hyderabad, IN
Baraboo, WI Monterrey, MX

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

Part No. **SG3A0030BK**

Serial No.

No. de Serie

HV/HT **480Y/277V**

BIL **36.1A**

Term Bornes **10 kV**

LV/BT **H0 H1 H2 H3**

BIL **208V**

Term Bornes **83.3A**

Temp. Rise Echauffement **150 °C**

Temp. Class Classe Temp **220 °C**

Winding Enroulement **AL**

Frequency Fréquence Hz **60**

Impedance % @ 170 °C **5**

Encl. Type Type de Coffrage **3R**

Weight Poids **299** lbs

DRY TYPE TRANSFORMER
77US E112313

UL LISTED

LR 3902

0342312274

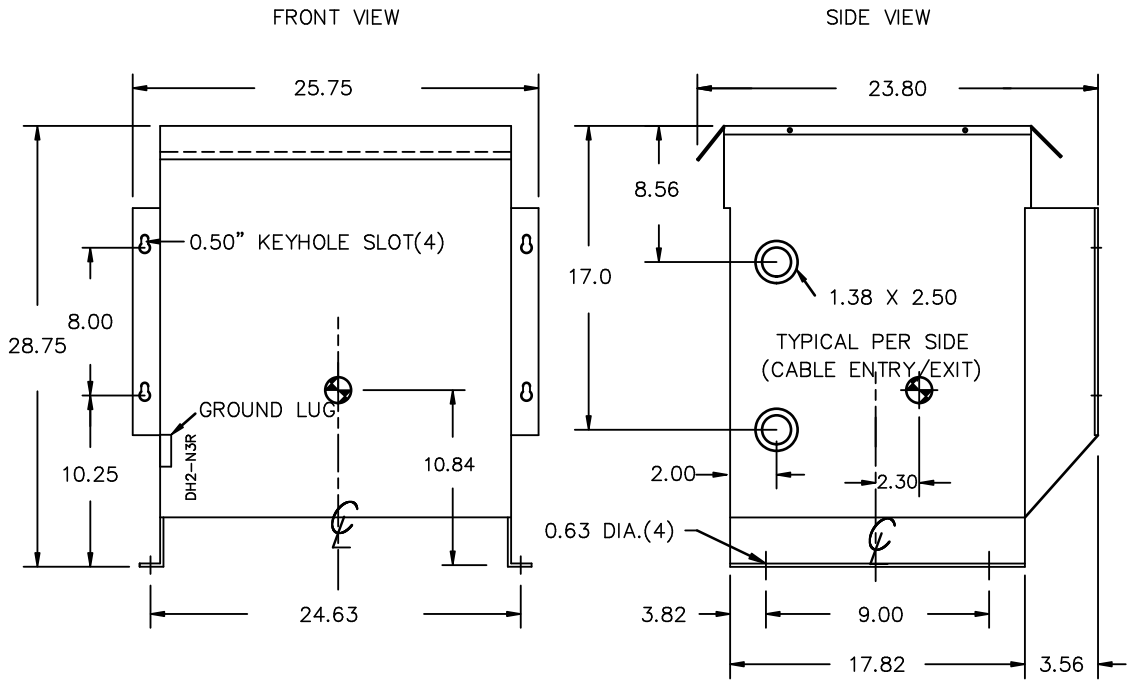
ALSO REFER TO ENERGY STANDARDS CRO22-18 BY UNDERWRITERS LABORATORIES INC. @ 316

VOLTS	CURRENT COURANT	% RATED % TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
218	79.3	105	1
213	81.2	102.5	2
208	83.3	100	3
203	85.4	97.5	4
198	87.7	95	5
192	90.0	92.5	6
187	92.5	90	7

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

d000186hb

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 3 INCHES
TRANSFORMER SUITABLE FOR STEP UP OPERATION ONLY



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

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #2/0-14 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

CUSTOMER NOTES:

- HV TERMINATED AT BOTTOM FRONT
- LV TERMINATED AT 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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