HPS Sentinel™ G

Energy Efficient Distribution Transformer

Transformateur de Distribution à Bon Rendement Énergétique

Hammond Power Solutions

Guelph, ONT Compton, CA Baraboo, WI Monterrey, MX

Part No. SG3A0112KB0CB

LR 3902

DRY TYPE TRANSFORMER 77US E112313 LISTED

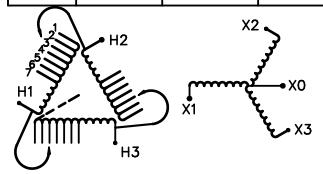
8 03423 15908 5

ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD C802.2-18 BY UNDERWRITERS LABORATORIES INC.® 3VJ6

Cust. Ref. / Ref. du Client		Serial No. / No. de Serie	
Phase	3	HV/HT	480V
Type	K	BIL	10 kV
Cooling / Refroidissement	ANN	Term / Bornes	H1 H2 H3
kVA	112.5	LV/BT	208Y/120V
Temp. Rise / Echauffement	80 °C	BIL	10 kV
Temp Class / Classe Temp	220 °C	Term / Bornes	X0 X1 X2 X3
Winding / Enroulement	CU	Energy Regulations	DOE 10 CFR PART 431:2016
Frequency / Frequence Hz	60	Reglements de Energetique	CEE ACT SOR/2018-201
Impedance % @ 100 °C	2.7		
Encl Type / Type De Coffrage	3R		
Weight / Poids lbs/kg	905/411		

VOLTS	CURRENT / COURANT	% RATED VOLTAGE / % TENSION NOMINALE	CONNECTION EACH PHASE / CONNEXION PAR PHASE
504	129	105	1
492	132	102.5	2
480	135	100	3
468	139	97.5	4
456	142	95	5
444	146	92.5	6
432	150	90	7

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



SEISMIC QUALIFICATIONS:
AS FLOOR MOUNT ONLY
IBC 2018/ASCE 7-16
SDS<=2.0g Z/h=1 Ip=1.5

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TITLE: 3PH DISTRIBUTION TRANSFORMER NAMEPLATE INFORMATION

NO.	DATE	BY	REVISION
4	21/07/16	PP	EDB UPDATE
3	20/03/17	PP	SEISMIC UPDATE

DES: GPATEL
DATE: 16/02/05
SCALE: NTS

SHEET 1 OF 3

EDB SG3A0112KB0CB

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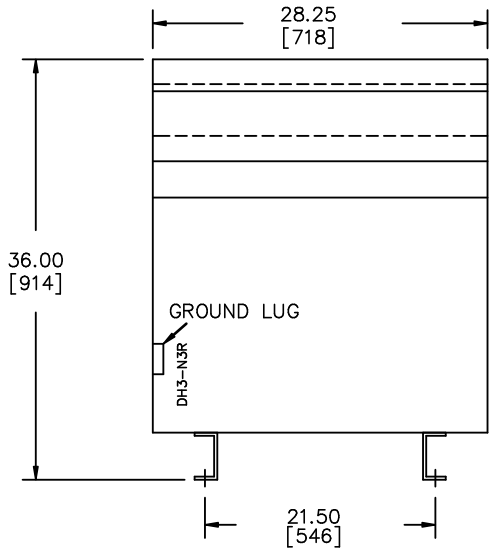
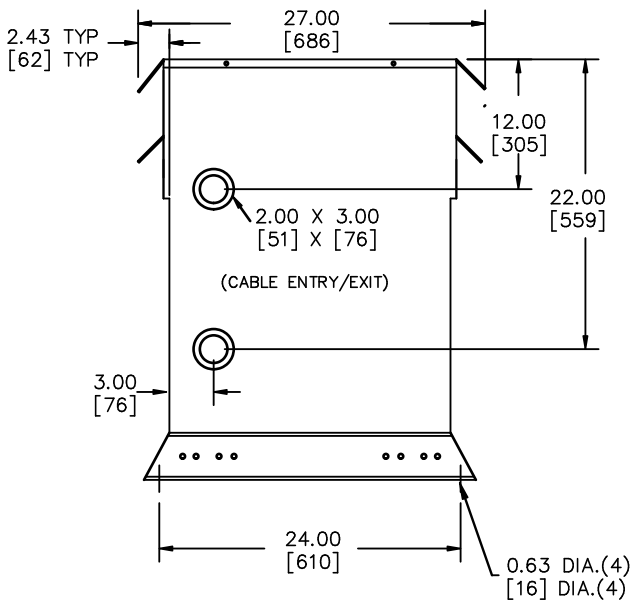
FRONT VIEW



SIDE VIEW



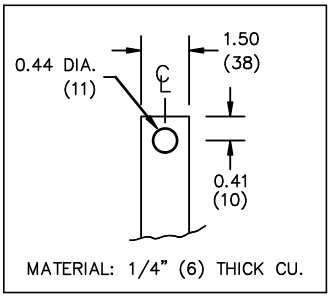
All Dimensions in inches[mm]

ENCLOSURE COLOR :ANSI 61 GREY – OUTDOOR

H.V.1. TERMINAL DETAIL

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

L.V.1. TERMINAL DETAIL



CUSTOMER NOTES:
– HV1 TERMINATED AT TOP FRONT
– LV1 TERMINATED AT BOTTOM FRONT

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SHEET 2 OF 3

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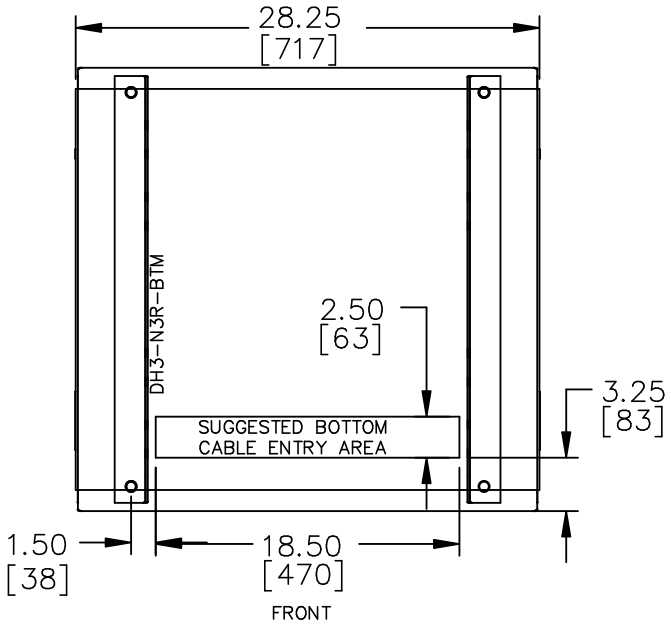
ENCLOSURE BOTTOM VIEW



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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4	21/07/16	PP	EDB UPDATE	DES: GPATEL
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				SCALE: NTS

SHEET 3 OF 3

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