



TITLE: 1PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

3	21/11/25	CS	NPL IMPEDANCE AND WEIGHT UPDATE	DES: PPICASSI
2	21/07/16	PP	EDB UPDATE	DATE: 17/04/27
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 1 OF 3

EDBSC3L0050PEOC

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hammond POWER SOLUTIONS

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

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

Part No. **SG3L0050PEOC**

LR 3902

DRY TYPE DISTRIBUTION TRANSFORMER
77US E112313

UL LISTED

8 03423 14126 4

ALSO REFER TO LOCAL CODES
TO ENERGY STANDARDS C900-18
BY UNDERWRITERS LABORATORIES INC. 0168

Cust. Ref. Ref. du Client	Serial No. No. de Serie	600V	83.3A
Phase	HV/HT	10 kV	
Type	BIL	H1 H2	
Cooling Refroidissement	Term Bornes	120/240V	416.7/208A
kVA	LV/BT	10 kV	
Temp. Rise Échauffement	BIL	X4 X2 X3 X1	
Temp Class Classe Temp	Term Bornes	DOE 10 CFR PART 431:2016	
Winding Enroulement	CU	CEE ACT SOR/2018-201	
Frequency Fréquence Hz	60		
Impedance % @ 170°C	5.7		
Encl. Type Type de Coffrage	3R		
Weight Poids	lbs		340

VOLTS	CURRENT COURANT	% RATED VOLTAGE % TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
630	79.4	105	1-2
615	81.3	102.5	2-3
600	83.3	100	3-4
585	85.5	97.5	4-5
570	87.7	95	5-6
120	416.7		X4&X2, X3&X1
240	208.3		X1, X4

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 3 INCHES

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

d000186hb



All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

LV TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #2/0-14 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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