




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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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

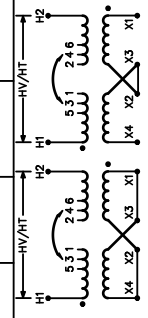
Part No. **SG3L0050PEOC**

LISTED  **LR 3902**
 DRY TYPE TRANSFORMER 8003423141264
 ALSO REFER TO LOCAL CODES
 TO ENERGY STANDARDS C900-18
 BY UNDERWRITERS LABORATORIES INC. @ 016

Cust. Ref. Ref. du Client	Serial No. No. de Serie	600V 83.3A		VOLTS	CURRENT COURANT	% RATED VOLTAGE TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
		1	HV/HT				
Type	F	BIL	10 kV	630	79.4	105	1-2
Cooling Refroidissement	ANN	Term Bornes	H1 H2	615	81.3	102.5	2-3
kVA	50	LV/BT	120/240V 416.7/208A	600	83.3	100	3-4
Temp. Rise Échauffement	150 °C	BIL	10 kV	585	85.5	97.5	4-5
Temp Class Classe Temp	220 °C	Term Bornes	X4 X2 X3 X1	570	87.7	95	5-6
Winding Enroulement	CU	Energy Regulations de Énergétique	DOE 10 CFR PART 431:2016	120	416.7		X4&X2, X3&X1
Frequency Hz	60		CEE ACT SOR/2018-201	240	208.3		X1, X4
Impedance % @ 170 °C	5.7						
Encl. Type Type de Coffrage	3R						
Weight Poids	340						

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

THIS DRAWING CONTAINS STRICTLY CONFIDENTIAL INFORMATION BELONGING TO HAMMOND POWER SOLUTIONS AND MUST NOT BE DISTRIBUTED OUTSIDE AUTHORIZED PARTIES.



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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SHEET 2 OF 3

EDBSCJL0050PEOC

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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