



TITLE: 1PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

NO.	DATE	BY	REVISION
2	21/07/16	PP	EDB UPDATE
1	20/03/17	PP	SEISMIC UPDATE
			DES: PPLICASSI
			DATE: 18/10/12
			SCALE: NTS

SHEET 1 OF 3

EDBSC3L0050FE0C

2.0 httpd 2026/06/13 21:04

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

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. **SG3L0050FE0C**

LISTED **LR 3902**
DRY TYPE
TRANSFORMER
77US
E112313

8 03423 14094 6
 ALSO REFER TO THE CONNECTION DIAGRAM AND APPROVED CONNECTIONS LIST FOR ENERGY EFFICIENT AND APPROVED CONNECTIONS.
 BY UNDERWRITERS LABORATORIES INC. © 2016

Cust. Ref. Ref. du Client	Serial No. No. de Serie	VOLTS		CURRENT COURANT	% RATED % TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
	1	277V	181A	172	105	1-2
Type	F	284		176	102.5	2-3
Cooling Refroidissement	ANN	277		181	100	3-4
kVA	50	270		185	97.5	4-5
Temp. Rise Échauffement	150 °C	263		190	95	5-6
Temp Class Classe Temp	220 °C	120		417		X4&X2, X3&X1
Winding Enroulement	CU	240		208		X1, X4
Frequency Fréquence Hz	60	DOE 10 CFR PART 431:2016				
Impedance % @ 170 °C	5.9	CEE ACT SOR/2018-201				
Encl. Type Type de Coffrage	3R					
Weight Poids	350					

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

SEISMIC QUALIFICATIONS:
AS FLOOR MOUNT ONLY
IBC 2018/ASCE 7-16
SDS<=2.0g Z/h=0 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 350MCM-6 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



TITLE: 1PH DISTRIBUTION TRANSFORMER

2	21/07/16	PP	EDB UPDATE	DES: PPLICASSI
1	20/03/17	PP	SEISMIC UPDATE	DATE: 18/10/12
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 2 OF 3

EDBSC310050FE0C

2.0 httpd 2026/06/13 21:04

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

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



TITLE: 1PH DISTRIBUTION TRANSFORMER
 ENCLOSURE BOTTOM VIEW

2	21/07/16	PP	EDB UPDATE	DES: PPICASSI
1	20/03/17	PP	SEISMIC UPDATE	DATE: 18/10/12
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 3 OF 3

EDBSC310050FE0C