



TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

2	21/07/16	PP	EDB UPDATE	DES: LCEN
1	20/03/17	PP	SEISMIC UPDATE	DATE: 18/01/25
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 1 OF 3

EDB SH310075PB3K

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POWER SOLUTIONS

Guelph, ONT Compton, CA Hyderabad, IN

HPS Sentinel™ H

DRY TYPE HARMONIC MITIGATING TRANSFORMER

TRANSFORMATEUR À SEC POUR MITIGATION D'HARMONIQUES

Part No. SH310075PB3K

LR 3902

DRY TYPE TRANSFORMER 8 03423 13537 9

ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD CROZ-18 E1123.13 BY UNDERWITERS LABORATORIES INC. 3106

LISTED

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

Cust. Ref. Ref. du Client	Serial No. No. de Serie	Phase	Model	HV/HT	Term Bornes	LV/BT	Term Bornes	Neutral	Energy Regulations
		3	K	600V	H1 H2 H3	208Z/120V	X1 X2 X3	X0(200%)	DOE 10 CFR PART 431:2016
Type									CEE ACT SOR/2018-201
Cooling Refroidissement									0.95 MAX
kVA									
Temp. Rise Echauffement									
Temp Class Classe Temp									
Winding Enroulement									
Frequency Frequence Hz									
Impedance % @ 170 °C									
Encl Type Type De Coiffage									
Weight Poids lbs									

VOLTS	CURRENT COURANT	% RATED VOLTAGE % NOMINALE	CONNECTION SCHEMATIC CONNEXION PAR PHASE
630	68.7	105	1
615	70.4	102.5	2
600	72.2	100	3
585	74.0	97.5	4
570	76.0	95	5
555	78.0	92.5	6
540	80.2	90	7

H1 → 34
→ 56
→ 78

SENTINEL H

ANGULAR DISPLACEMENT

0°

X1
X2
X3
X0

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

d000190hb



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 BOTTOM FRONT
- LV TERMINATED AT TOP FRONT
- 200% RATED NEUTRAL XO HAS QTY 2 LUGS



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EDBSH310075PB3K

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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