



TITLE: 3PH DISTRIBUTION TRANSFORMER NAMEPLATE INFORMATION			
3	25/10/15	LC	CHANGED NPL VER:
2	21/07/16	PP	EDB UPDATE
NO.	DATE	BY	REVISION
			DES: LCEN
			DATE: 19/05/08
			SCALE: NTS

SHEET 1 OF 3
EDB SH3T0030KB3S

POWER SOLUTIONS
Guelph, ONT Compton, CA
Hyderabad, IN Monterrey, MX

HPS Sentinel™ H
DRY TYPE HARMONIC MITIGATING TRANSFORMER
TRANSFORMATEUR À SEC POUR MITIGATION D'HARMONIQUES

Part No. SH3T0030KB3S

Serial No. []
No. de Serie []
Model []
HV/HT []
Term Bornes []
LV/BT []
Term Bornes []
Neutral []
Energy Regulations []
Reglements Energetique []
Z₀ []
Number of Secondaries []

3
K
ANN
30
150 °C
220 °C
AL
60
5.6
3R
355/162

DOE 10 CFR PART 431:2016
CEE ACT SOR/2018-201
0.95 MAX

VOLTS	CURRENT COURANT	% RATED VOLTAGE /% TENSION NOMINALE	CONNECTION FOR CONNECTION PAR PHASE
504	34.4	105	1
492	35.2	102.5	2
480	36.1	100	3
468	37.0	97.5	4
456	38.0	95	5
444	39.0	92.5	6
432	40.1	90	7

Angular Displacement: 0°

SENTINEL H

X1 X2 X3 X0

SEISMIC QUALIFICATIONS:
AS FLOOR MOUNT ONLY
IBC 2018/ASCE 7-16
SDS<=2.0g Z/n=0 Ip=1.5

LISTED

UL E112313

DRY TYPE TRANSFORMER 8 03423 13480 8

ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD CRO22-18 BY UNDERWRITERS LABORATORIES INC. 3106

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 3 INCHES ELECTROSTATIC SHIELD SUITABLE FOR NON-SINUSOIDAL CURRENT LOAD WITH A K-FACTOR NOT TO EXCEED 13

d000190hb



All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

LV TERMINAL DETAIL

X0 TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #14-2 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #2/0-14 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR 350MCM-6 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

CUSTOMER NOTES:

- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT
- X0 TERMINATED AT BOTTOM FRONT
- 200% RATED NEUTRAL PROVIDED



TITLE: 3PH DISTRIBUTION TRANSFORMER

3	25/10/15	LC	CHANGED NPL VER:	DES: LCEN
2	21/07/16	PP	EDB UPDATE	DATE: 19/05/08
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 2 OF 3

EDBSH310030KB35

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: 3PH DISTRIBUTION TRANSFORMER
 ENCLOSURE BOTTOM VIEW

3	25/10/15	LC	CHANGED NPL VER:	DES: LCEN
2	21/07/16	PP	EDB UPDATE	DATE: 19/05/08
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 3 OF 3

EDBSH3T0030KB3S