



TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

3	21/07/16	PP	EDB UPDATE	DES: JWEN
2	20/03/17	PP	SEISMIC UPDATE	DATE: 16/09/08
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 1 OF 3

EDBSK3A0045PK9S

3.0 httpd 2026/05/22 13:12

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POWER SOLUTIONS
Guelph, ONT Compton, CA
Hyderabad, IN

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

LR 3902
DRY TYPE TRANSFORMER E112313
ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD CRO22-18 BY UNDERMETERS LABORATORIES INC. 3106

Part No. SK3A0045PK9S

Serial No. []
HV/HT 600V
BIL 10 kV
Term Bornes H1 H2 H3
LV/BT 480Y/277V
BIL 10 kV
Term Bornes X0 X1 X2 X3
DOE 10 CFR PART 431:2016
CEE ACT SOR/2018-201

Current COURANT
41.2
42.2
43.3
44.4
45.6
46.8
48.1

% RATED VOLTAGE % NOMINALE
105
102.5
100
97.5
95
92.5
90

CONNECTION DIAGRAM: H1, H2, H3, X0, X1, X2, X3

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

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

d000187hb

Cust. Ref. Ref. du Client	[]
Phase	3
Type	K
Cooling Refroidissement	ANN
kVA	45
Temp. Rise Echauffement	150 °C
Temp Class Classe Temp	220 °C
Winding Enroulement	AL
Frequency Fréquence Hz	60
Impedance % @ 170 °C	4.4
Encl Type Type De Coffrage	3R
Weight Poids lbs	365

VOLTS	630 615 600 585 570 555 540
CONNECTION DIAGRAM PAR PHASE	1 2 3 4 5 6 7



All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

H.V.1. TERMINAL DETAIL

L.V.1. TERMINAL DETAIL

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

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CUSTOMER NOTES:

- HV1 TERMINATED AT TOP FRONT
- LV1 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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