



NO.	DATE	BY	REVISION
3	21/07/16	PP	EDB UPDATE
2	20/03/17	PP	SEISMIC UPDATE

SHEET 1 OF 3
 EDBSK3A0045PK3K
 3.0 httpd 2026/03/31 23:11

TITLE: 3PH DISTRIBUTION TRANSFORMER
 NAMEPLATE INFORMATION

POWER SOLUTIONS
 Guelph, ONT Compton, CA
 Hyderabad, IN

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

Part No. SK3A0045PK3K
 8 03423 13085 5
 ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD CROZ2-18 BY UNDERWITERS LABORATORIES INC. © 306

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

Temp. Rise 150 °C Classe Temp 220 °C Winding CU Energy Regulations DOE 10 CFR PART 431:2016

Frequency 60 Reglements CEE ACT SOR/2018-201

Impedance % 3.6 @ 170 °C Suitable for non-sinusoidal current load with K-factor not to exceed 13

Encl Type 3R Convient à des courants non-sinusoidaux avec facteur K n'excédant pas 13

Weight 410 lbs Poids

VOLTS	CURRENT COURANT	% RATED VOLTAGE % NOMINALE	CONNECTION CONNECTION PAR PHASE
630	41.2	105	1
615	42.2	102.5	2
600	43.3	100	3
585	44.4	97.5	4
570	45.6	95	5
555	46.8	92.5	6
540	48.1	90	7

SEISMIC QUALIFICATIONS:
 X3 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



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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