




TITLE:		3PH DISTRIBUTION TRANSFORMER	
		NAMEPLATE INFORMATION	
4	21/11/25	CS	NPL IMPEDANCE AND WEIGHT UPDATE
3	21/07/16	PP	EDB UPDATE
NO.	DATE	BY	REVISION
		DES:	JWEN
		DATE:	15/11/17
		SCALE:	NTS

SHEET 1 OF 3
 EDBSK3A0075KB9S
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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

Baraboo, WI
Monterrey, MX

Part No. SK3A0075KB9S



LR 3902

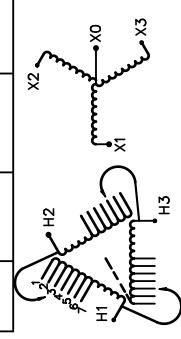
DRY TYPE TRANSFORMER

8 03423 12936

ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD CRO22-18 BY UNDERWRIERS LABORATORIES INC. © 316

LISTED

Cust. Ref.	Serial No.	HV/HT	VOLTS	CURRENT	% RATED VOLTAGE	CONNECTION
Ref. du Client	No. de Serie			COURANT	% NOMINALE	PAR PHASE
Phase	3	480V	504	85.9	105	1
Type	K	10 kV	492	88.0	102.5	2
Cooling	ANN	H1 H2 H3	480	90.2	100	3
Refrroidissement			468	92.5	97.5	4
kVA	75	208Y/120V	456	95.0	95	5
Temp. Rise	150 °C	10 kV	444	97.5	92.5	6
Echauffement			432	100.2	90	7
Temp Class	220 °C	X0 X1 X2 X3				
Classe Temp						
Winding	AL	DOE 10 CFR PART 431:2016				
Enroulement						
Frequency	60	CEE ACT SOR/2018-201				
Frequency Hz						
Impedance %	5.7	Suitable for non-sinusoidal current load with K-factor not to exceed 9				
Impédance %		Convient à des courants non-sinusoidaux avec facteur K n'excédant pas 9				
Encl Type	3R					
Type De Coffrage						
Weight	560					
Poids						



SEISMIC QUALIFICATIONS:
 X0 FLOOR MOUNT ONLY
 X1 BC 2018/ASCE 7-16
 X2 X3 SDS<=2.0g Z/n=1 Ip=1.5

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 5 INCHES EXCEPT WHEN WALL MOUNTED USING APPROVED WALL MOUNTING KIT 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 #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:

- 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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ENCLOSURE BOTTOM VIEW

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