



TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

NO.	DATE	BY	REVISION	DES: RMOVVA
				DATE: 22/02/24
				SCALE: NTS

SHEET 1 OF 3

EDBSK3A0500PK9K

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POWER SOLUTIONS
Guelph, ONT
Compton, CA

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 UNDERMILLERS LABORATORIES INC. 316

Hyderabad, IN Monterrey, MX Part No. SK3A0500PK9K

Cust. Ref.	Serial No.	HV/HT	600V	481A	
Ref. du Client	No. de Serie				
Phase	3	BIL	10 kV		
Type	K	Term Bornes	H1 H2 H3		
Cooling Refroidissement	ANN	LV/BT	480Y/277V	601A	
kVA	500	BIL	10 kV		
Temp. Rise Echauffement	150 °C	Term Bornes	X0 X1 X2 X3		
Temp Class	220 °C	Energy Regulations	DOE 10 CFR PART 431:2016		
Winding Enroulement	CU	Reglements Energetique	CEE ACT SOR/2018-201		
Frequency	60	Suitable for non-sinusoidal current load with K-factor not to exceed 9			
Impedance %	4.9	Convient à des courants non-sinusoidaux avec facteur K n'excédant pas			
Encl Type	3R	Weight lbs/kg	3520/1597		
Type De Coffrage					

LISTED

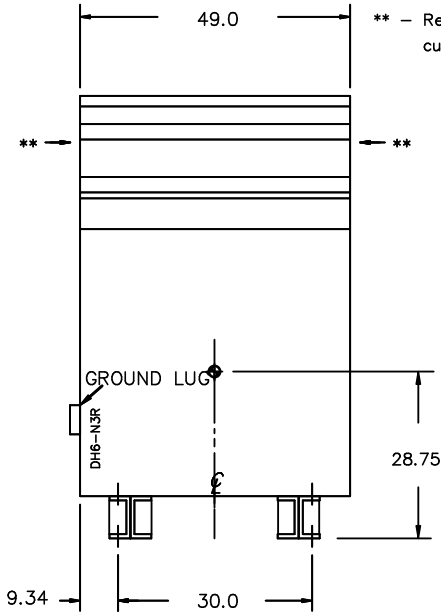
SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 12 INCHES ELECTROSTATIC SHIELD

VOLTS	CURRENT COURANT	% RATED VOLTAGE NOMINALE	CONNECTIONS CONNECTIONS PAR PHASE
630	458	105	1-2
615	469	102.5	2-3
600	481	100	3-4
585	493	97.5	4-5
570	506	95	5-6
555	520	92.5	6-7
540	535	90	7-8

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

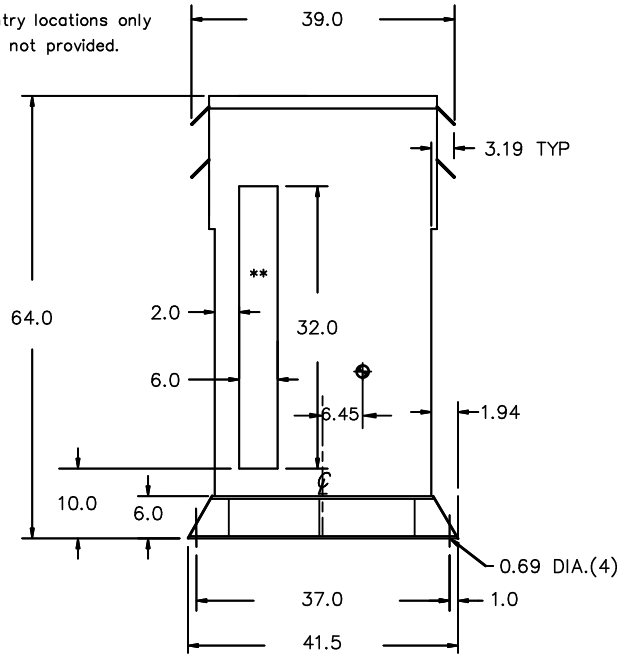
d000187hb

FRONT VIEW



** - Recommended cable entry locations only cutouts & gland plates not provided.

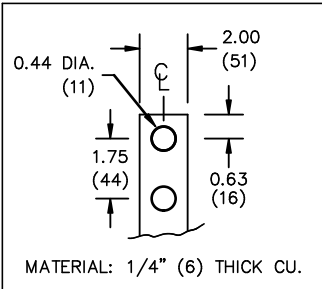
SIDE VIEW



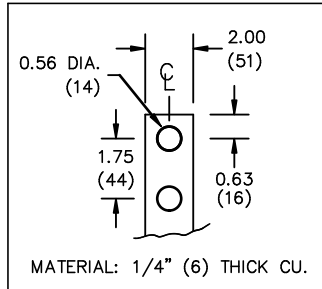
All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY - OUTDOOR

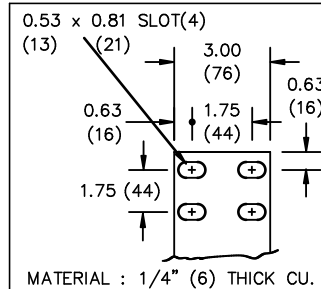
HV TERMINAL DETAIL



LV TERMINAL DETAIL



X0 TERMINAL DETAIL



CUSTOMER NOTES:

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



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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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