


- IMPEDANCE SHOWN IS CALCULATED VALUE - NOT GUARANTEED

d000190hb



**hammond**  
POWER SOLUTIONS

Guelph, ONT Compton, CA  
Hyderabad, IN

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

Baraboo, WI  
Monterrey, MX

Part No. SH3T0500PB3K

Serial No. [ ] No. de Serie [ ]

Phase 3

Type K

Cooling Refroidissement ANN

kVA 500

Temp. Rise Echauffement 150 °C

Temp Class Classe Temp 220 °C

Winding Enroulement CU

Frequency Fréquence Hz 60

Impedance % Impédance % 3.2

Encl Type Type De Coffrage 3R

Weight lbs/kg Poids 4230/1919

Serial No. [ ] No. de Serie [ ]

Model HV/HT 600V

Term Bornes H1 H2 H3

LV/BT 208Z/120V

Term Bornes X1 X2 X3

Neutral X0(200%)

Energy Regulations DOE 10 CFR PART 431:2016

Reglements de l'énergie CEE ACT SOR/2018-201

Z<sub>0</sub> 1.5 MAX

Number of Secondaries [ ]

VOLTS	CURRENT COURANT	% RATED VOLTAGE % NOMINALE	CONNECTION CONNECTION 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

SENTINEL H

ANGULAR DISPLACEMENT 0°

H1 H2 H3 X1 X2 X3 X0

SEISMIC QUALIFICATIONS:  
AS FLOOR MOUNT ONLY  
IBC 2018/ASCE 7-16  
SDS<=2.0g Z/n=0 Ip=11.5

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

ELECTROSTATIC SHIELD

VOLTAGE ERROR +/-1%

LISTED

DRY TYPE TRANSFORMER 8 03423 13542 3

ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD CROZ 2-18 E1123.13 BY UNDERWITERS LABORATORIES INC. 316



TITLE: 3PH DISTRIBUTION TRANSFORMER NAMEPLATE INFORMATION

DES:	LCEN
DATE:	21/11/03
SCALE:	NTS

SHEET 1 OF 3

EDBSH3T0500PB3K

FRONT VIEW



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

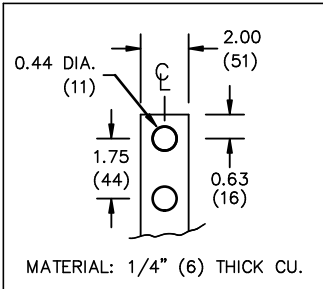
SIDE VIEW



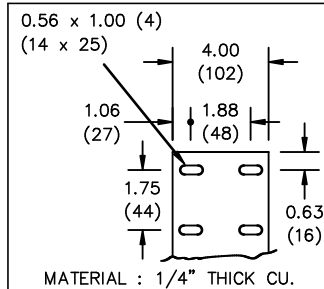
All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY - OUTDOOR

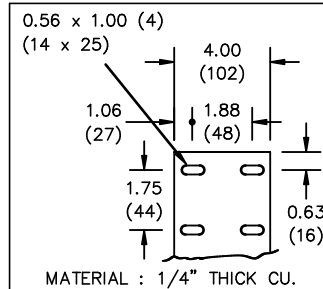
HV TERMINAL DETAIL



LV TERMINAL DETAIL



XO TERMINAL DETAIL



CUSTOMER NOTES:

- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT
- XO TERMINATED AT BOTTOM FRONT
- (2) XO PADS - DISTRIBUTE CABLES EVENLY AMONG BOTH



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SHEET 2 OF 3

EDBSH310500PB3K

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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SHEET 3 OF 3

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