



TITLE: 3PH DISTRIBUTION TRANSFORMER  
NAMEPLATE INFORMATION

|     |          |    |                |                |
|-----|----------|----|----------------|----------------|
| NO. | DATE     | BY | REVISION       | SCALE:         |
| 2   | 21/07/16 | PP | EDB UPDATE     | DES: RMOVVA    |
| 1   | 20/03/17 | PP | SEISMIC UPDATE | DATE: 18/07/12 |
|     |          |    |                | NTS            |

SHEET 1 OF 3

EDB SK3A0500PB3S

2.0 httpd 2026/06/25 03:32

THIS DRAWING CONTAINS STRICTLY CONFIDENTIAL INFORMATION BELONGING TO HAMMOND POWER SOLUTIONS AND MUST NOT BE DISTRIBUTED OUTSIDE AUTHORIZED PARTIES.

**POWER SOLUTIONS**  
Guelph, ONT  
Compton, CA

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

Baraboo, WI  
Monterrey, MX

Hyderabad, IN    Part No. **SK3A0500PB3S**

Cust. Ref. [ ]  
Ref. du Client [ ]

Phase 3

Type K

Cooling Refroidissement ANN

kVA 500

Temp. Rise Echauffement 150 °C

Temp Class Classe Temp 220 °C

Winding Enroulement AL

Frequency Fréquence Hz 60

Impedance % @ 170 °C 6.5

Encl Type Type De Coffrage 3R

Weight Poids lbs 2950

Serial No. No. de Serie [ ]

HV/HT 600V    481A

BIL 10 kV

Term Bornes H1 H2 H3

LV/BT 208Y/120V    1388A

BIL 10 kV

Term Bornes X0 X1 X2 X3

Energy Regulations Règlement Energétique DOE 10 CFR PART 431:2016

CEE ACT SOR/2018-201

Suitable for non-sinusoidal current load with K-factor not to exceed 13  
Convient à des courants non-sinusoidaux avec facteur K n'excédant pas 13

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

| 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                             |

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

DRY TYPE TRANSFORMER E112313

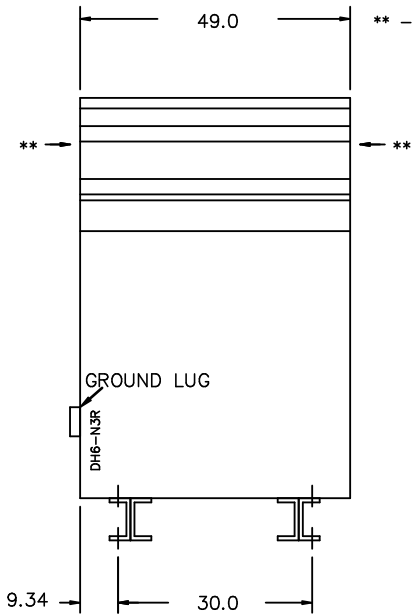
ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD CROZ-18 BY UNDERMETERS LABORATORIES INC. © 306

LISTED

03423 13040 4

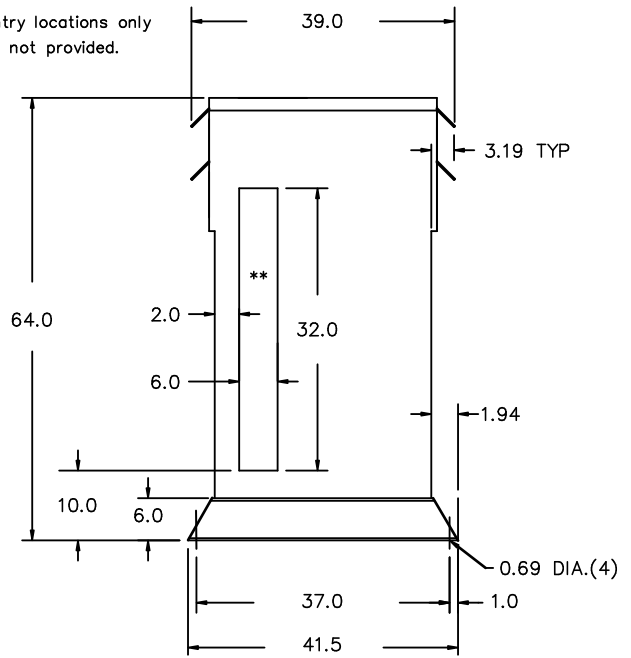
d000187hb

FRONT VIEW



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

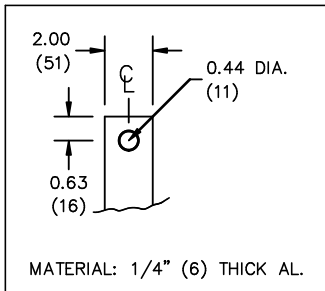
SIDE VIEW



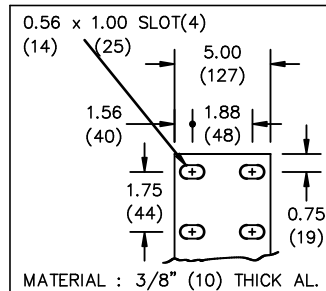
All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY - OUTDOOR

HV TERMINAL DETAIL



LV TERMINAL DETAIL



CUSTOMER NOTES:

- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT
- 200% RATED NEUTRAL XO HAS TWO TERMINALS, DIVIDE CABLES EVENLY

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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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