



TITLE: 1PH 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: 17/09/21 |
|     |          |    |                | SCALE: NTS     |

SHEET 1 OF 3

EDB SG3L0037BE

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

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

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

Baraboo, WI  
Monterrey, MX

Part No. **SG3L0037BE**

Cust. Ref. [ ] Serial No. [ ]  
 Ref. du Client [ ] No. de Serie [ ]

Phase 1 HV/HT 208V 180A

Type F BIL 10 kV

Cooling Refroidissement ANN Term Bornes H1 H2

kVA 37.5 LV/BT 120/240V 312/156A

Temp. Rise Echauffement 150 °C BIL 10 kV

Temp Class Classe Temp 220 °C Term Bornes X4 X2 X3 X1

Winding Enroulement AL Energy Regulations DOE 10 CFR PART 431:2016

Frequency Fréquence Hz 60 Reglements de l'Energétique CEE ACT SOR/2018-201

Impedance % @ 170 °C 5.7

Encl. Type Type de Coffrage 3R

Weight Poids lbs 265

**LISTED** **LR 3902**

DRY TYPE DISTRIBUTION TRANSFORMER  
77US E112313

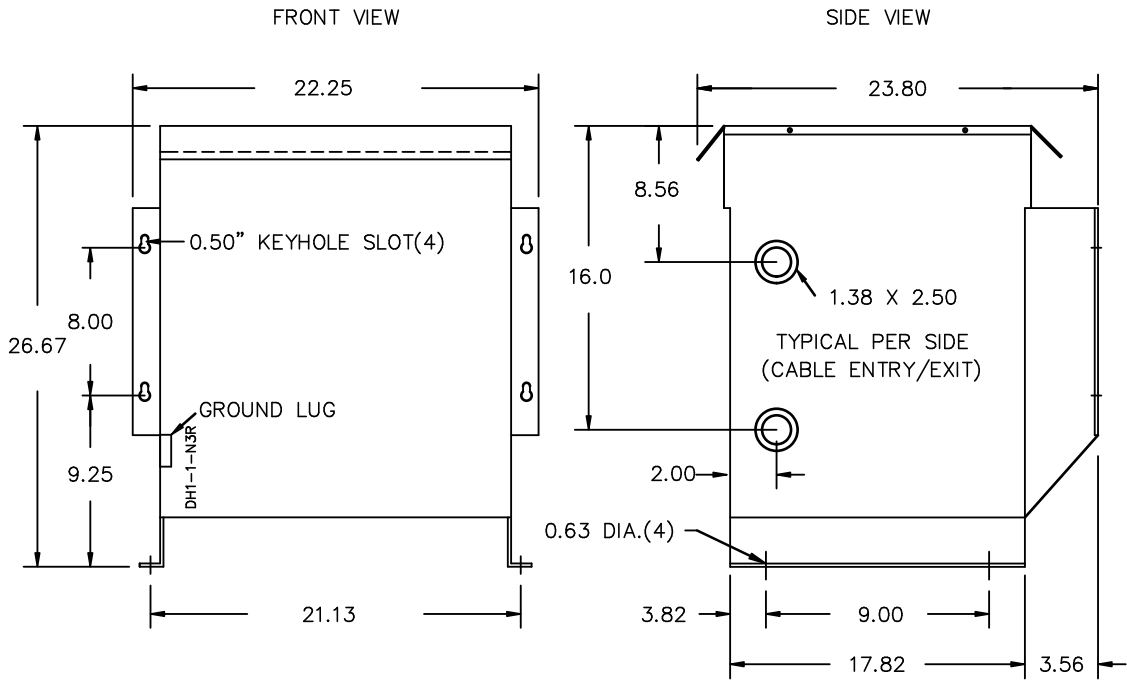
8 0342314049 6  
ALSO REFER TO CATALOGUE  
TO ENERGY STANDARDS CROZ-18  
BY UNDERWRITERS LABORATORIES INC. @ 316

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 3 INCHES

| VOLTS | CURRENT COURANT | % RATED VOLTAGE % TENSION NOMINALE | CONNECTION EACH PHASE CONNECTION PAR PHASE |
|-------|-----------------|------------------------------------|--|
| 218   | 172             | 105                                | 1-2  |
| 213   | 176             | 102.5                              | 2-3  |
| 208   | 180             | 100                                | 3-4  |
| 203   | 185             | 97.5                               | 4-5  |
| 198   | 190             | 95                                 | 5-6  |
| 120   | 312             |                                    | X4&X2, X3&X1                               |
| 240   | 156             |                                    | X1, X4                                     |

SEISMIC QUALIFICATIONS:  
 OSP=0.136/IBC 2018/ASCE 7-16  
 SDS<=2.0g Z/h=1 Ip=1.5

d000186hb



All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

LV TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED  
SUITABLE FOR 350MCM-6 CU/AL  
CONDUCTORS  
1 CONDUCTOR PER PHASE

MECHANICAL TYPE LUGS INCLUDED  
SUITABLE FOR 250MCM-6 CU/AL  
CONDUCTORS  
1 CONDUCTOR PER PHASE

CUSTOMER NOTES:

- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT



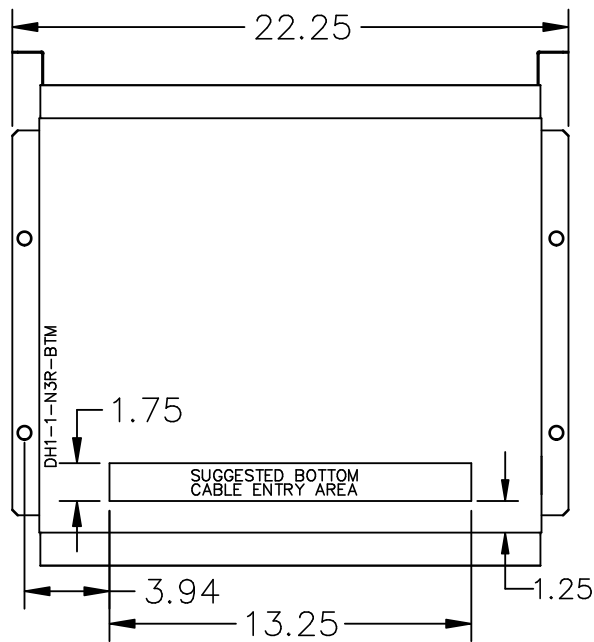
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SHEET 2 OF 3

EDBSC3L0037BE

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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