



Hammond Power  
Solutions Inc.

TITLE: 3 PH ENCAPSULATED TRANSFORMER  
NAMEPLATE INFORMATION

|     |      |    |          |                    |
|-----|------|----|----------|--------------------|
|     |      |    |          | DES: <b>S. Roy</b> |
|     |      |    |          | DATE: 2019/07/26   |
| NO. | DATE | BY | REVISION | SCALE: <b>NTS</b>  |

SHEET 1 OF 2

EDB TN2A0112KBKF

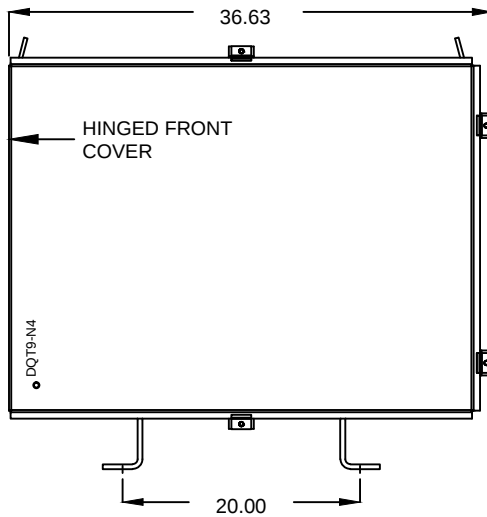
0 S. Roy 2019/07/26

|                                  |        |                                              |                  |                                                              |       |                                                                |       |                                                                                                                           |       |                                                                                                                                      |                                                                                                                                                                           |                                                                                                                                        |
|----------------------------------|--------|----------------------------------------------|------------------|--------------------------------------------------------------|-------|----------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|                                  |        | <b>Hammond Power Solutions</b><br>Granby, QC |                  | <b>Hammond Power Solutions</b><br>Guelph, ONT<br>Compton, CA |       | <b>Hammond Power Solutions</b><br>Baraboo, WI<br>Monterrey, MX |       | <b>HPS Titan N°</b><br>Dry Type Encapsulated Transformer<br>Transformateur de Type Sec Encapsulé<br>Part No. TN2A0112KBKF |       | <br>GENERAL PURPOSE TRANSFORMER FOR USE IN HAZARDOUS LOCATIONS<br>LISTED<br>E288346<br>31GW<br>ABS PDM CERT. NO. 14-HS117460-PDA-DUP |                                                                                                                                                                           |                                                                                                                                        |
| Cust. Ref.<br>Réf. du Client     | 3      | Serial No.<br>No. de Série                   | HV/HT            | VOLTS                                                        | 504   | CURRENT<br>COURANT                                             | 128.9 | % RATED VOLTAGE<br>% TENSION NOMINALE                                                                                     | 105.0 | CONNECTION EACH PHASE<br>CONNEXION PAR PHASE                                                                                         | 1                                                                                                                                                                         | HAZARDOUS LOCATIONS CLASS 1, DIVISION 2, GROUPS A, B, C & D, TEMPERATURE CODE T3A, HAZARDOUS LOCATIONS CLASS 1, ZONE 2, GROUPS IIC, T3 |
| Phase                            | HZQT   | BIL                                          | 480V             | 492                                                          | 132.0 | 135.3                                                          | 102.5 | 100.0                                                                                                                     | 3     | 2                                                                                                                                    | SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 6 INCHES.                                                                     |                                                                                                                                        |
| Type                             | ANC    | Terminals<br>Bornes                          | H1 H2 H3         | 468                                                          | 138.8 | 142.4                                                          | 97.5  | 95.0                                                                                                                      | 4     | 5                                                                                                                                    | ELECTROSTATIC SHIELD.                                                                                                                                                     |                                                                                                                                        |
| Cooling<br>Refroidissement       | 112.5  | LV/BT                                        | 208Y/120V 312.3A | 444                                                          | 146.3 | 150.4                                                          | 92.5  | 90.0                                                                                                                      | 6     | 7                                                                                                                                    | WARNING - EXPLOSION HAZARD. DO NOT DISCONNECT WHILE THE CIRCUIT IS LIVE OR UNLESS THE AREA IS FREE OF IGNITIBLE CONCENTRATIONS.                                           |                                                                                                                                        |
| kVA                              | 115 °C | BIL                                          | 10 kV            | 432                                                          |       |                                                                |       |                                                                                                                           |       |                                                                                                                                      | AVERTISSEMENT - RISQUE D'EXPLOSION. NE PAS DÉBRANCHER PENDANT QUE LE CIRCUIT EST SOUS TENSION OU À MOINS QUE L'EMPLACEMENT NE SOIT EXEMPT DE CONCENTRATIONS INFLAMMABLES. |                                                                                                                                        |
| Temp. Rise<br>Échauffement       | 180    | Terminals<br>Bornes                          | X1 X0 X2 X3      |                                                              |       |                                                                |       |                                                                                                                           |       |                                                                                                                                      | SEISMIC QUALIFICATIONS, OSP-0136-10<br>IBC 2015/ASCE 7-10<br>SDS<=2.0G Z/H=1 IP=1.5                                                                                       |                                                                                                                                        |
| Temp. Class<br>Classe Temp.      | CU     | Energy<br>Régulations                        |                  |                                                              |       |                                                                |       |                                                                                                                           |       |                                                                                                                                      |                                                                                                                                                                           |                                                                                                                                        |
| Winding<br>Enroulement           | 60 Hz  | Règlements<br>sur l'Energie                  |                  |                                                              |       |                                                                |       |                                                                                                                           |       |                                                                                                                                      |                                                                                                                                                                           |                                                                                                                                        |
| Frequency<br>Fréquence           | 2.31   |                                              |                  |                                                              |       |                                                                |       |                                                                                                                           |       |                                                                                                                                      |                                                                                                                                                                           |                                                                                                                                        |
| Impedance %<br>@ 135 °C          | 4      |                                              |                  |                                                              |       |                                                                |       |                                                                                                                           |       |                                                                                                                                      |                                                                                                                                                                           |                                                                                                                                        |
| Endosure Type<br>Type de Boîtier | 1992   |                                              |                  |                                                              |       |                                                                |       |                                                                                                                           |       |                                                                                                                                      |                                                                                                                                                                           |                                                                                                                                        |
| Weight<br>Poids                  |        |                                              |                  |                                                              |       |                                                                |       |                                                                                                                           |       |                                                                                                                                      |                                                                                                                                                                           |                                                                                                                                        |

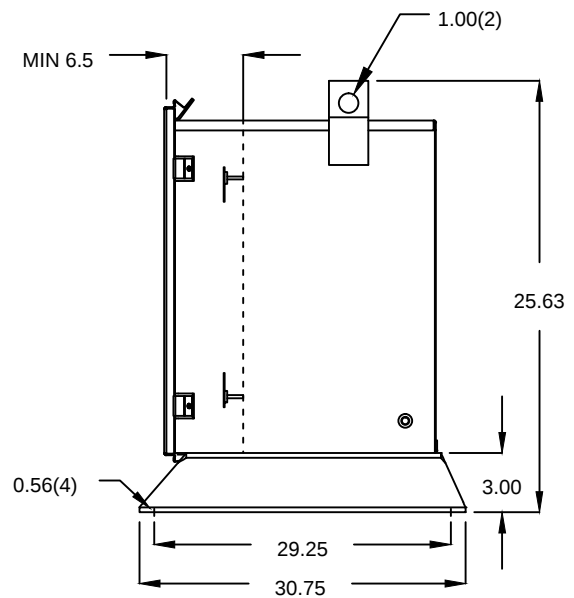
V001

BEFORE ENERGIZING REFER TO COMPLETE INSTRUCTIONS  
AVANT DE METTRE SOUS TENSION SE REFERER AUX INSTRUCTIONS

FRONT VIEW



SIDE VIEW

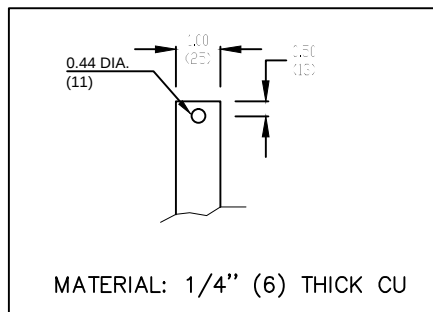
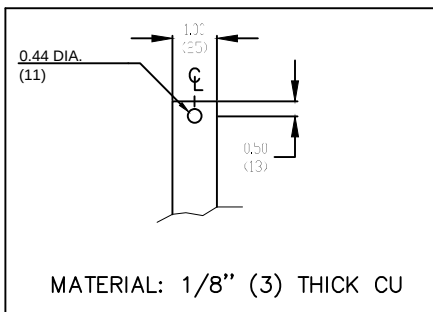


ALL DIMENSIONS IN INCHES

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

H.V.1. TERMINAL DETAIL

L.V.1. TERMINAL DETAIL



CUSTOMER NOTES:

- HV1 TERMINATED AT BOTTOM FRONT
- LV1 TERMINATED AT TOP FRONT



TITLE: 3 PH ENCAPSULATED TRANSFORMER

|     |      |    |          |                  |
|-----|------|----|----------|------------------|
|     |      |    |          | DES: S. Roy      |
|     |      |    |          | DATE: 2019/07/26 |
| NO. | DATE | BY | REVISION | SCALE: NTS       |

SHEET 2 OF 2

EDB TN2A0112KBF

92/10/6106 Roy S.S.0