hammond POWER SOLUTIONS

Energy Efficient
General Purpose Distribution Transformer
Transformateur de Distribution
à usage général économe en énergie

Hyderabad, IN | Guelph, ONT / Compton, CA | Baraboo, WI / Monterrey, MX

Part No. SG3M0075XE

LR 3902

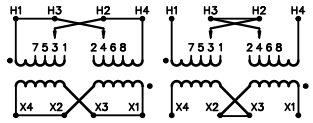
DRY TYPE TRANSFORMER 77US E112313 LISTED

ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD C802.2-18 BY UNDERWRITERS LABORATORIES INC.® 3VJ6

8 03423 14135 6

Cust. Ref. / Ref. du Client		Serial No. / No. de Serie	
Phase	1	HV/HT	220X440V 341X170A
Type	F	BIL	10 kV
Cooling / Refroidissement	ANN	Term / Bornes	H1 H3 H2 H4
kVA	75	LV/BT	120/240V 625/312A
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 / Frequence Hz	60	Reglements de Energetique	CEE ACT SOR/2018-201
Impedance % @ 170 °C	5.8		
Encl Type / Type De Coffrage	3R		
Weight / Poids lbs	530		

VOLTS	CURRENT / COURANT	% RATED VOLTAGE / % TENSION NOMINALE	CONNECTION EACH PHASE / CONNEXION PAR PHASE
440	170		H1, H4
416	180		H1, H4
400	188		H1, H4
380	197		H1, H4
220	341		H1&H3, H2&H4
208	361		H1&H3, H2&H4
200	375		H1&H3, H2&H4
190	395		H1&H3, H2&H4



SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 3 INCHES
ESPACEMENTS ENTRE LES PANNEAUX DE BOÎTIER VENTILÉ ET LES MURS ADJACENT DOIVENT ÊTRE UN MINIMUM DE 3 POUNCES

SUITABLE FOR OPERATION AT 50 HZ

SEISMIC QUALIFICATIONS:
AS FLOOR MOUNT ONLY
IBC 2018/ASCE 7-16
SDS<=2.0g Z/h=1 Ip=1.5

d000186hb

hammond POWER SOLUTIONS

TITLE: 1PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

NO.	DATE	BY	REVISION
2	21/07/16	PP	EDB UPDATE
1	20/03/17	PP	SEISMIC UPDATE

SCALE: NTS | DATE: 18/04/25 | DES: DCORTEZ

SHEET 1 OF 4

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PRIMARY VOLTS	CONNECTION LINES TO	INTER-CONNECT
440	H1,H4	1-H2,2-H3,H2-H3
416	H1,H4	3-H2,4-H3,H2-H3
400	H1,H4	5-H2,6-H3,H2-H3
380	H1,H4	7-H2,8-H3,H2-H3
220	H1,H4	1-H2,2-H3,H1-H3,H2-H4
208	H1,H4	3-H2,4-H3,H1-H3,H2-H4
200	H1,H4	5-H2,6-H3,H1-H3,H2-H4
190	H1,H4	7-H2,8-H3,H1-H3,H2-H4
SECONDARY VOLTS	CONNECTION LINES TO	INTER-CONNECT
240	X1,X4	X2-X3
120	X1,X4	X1-X3,X2-X4
120/240	X1,X2,X4	X2-X3

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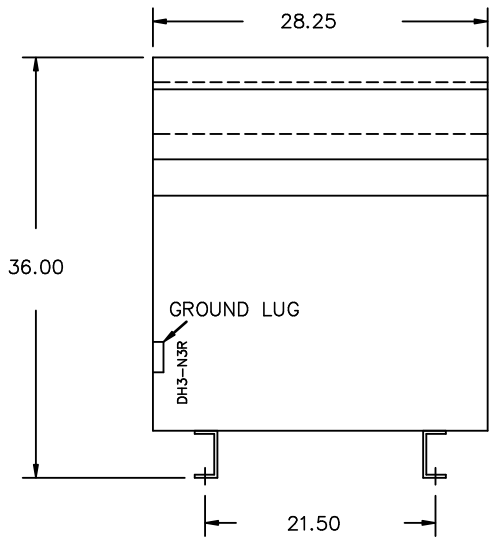
CONNECTION CHART

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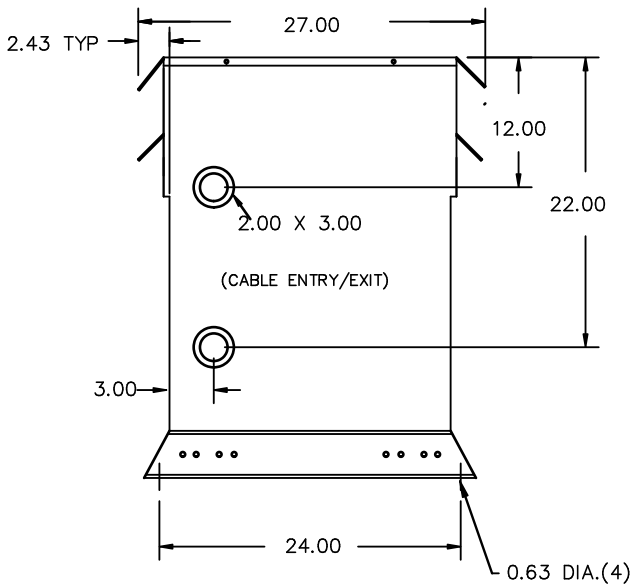
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FRONT VIEW



SIDE VIEW



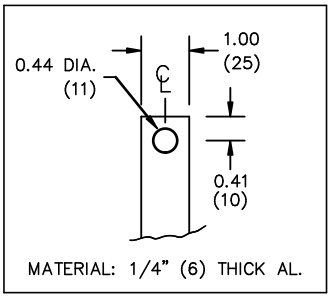
All Dimensions in inches

ENCLOSURE COLOR :ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

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

LV TERMINAL DETAIL



CUSTOMER NOTES:
- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT

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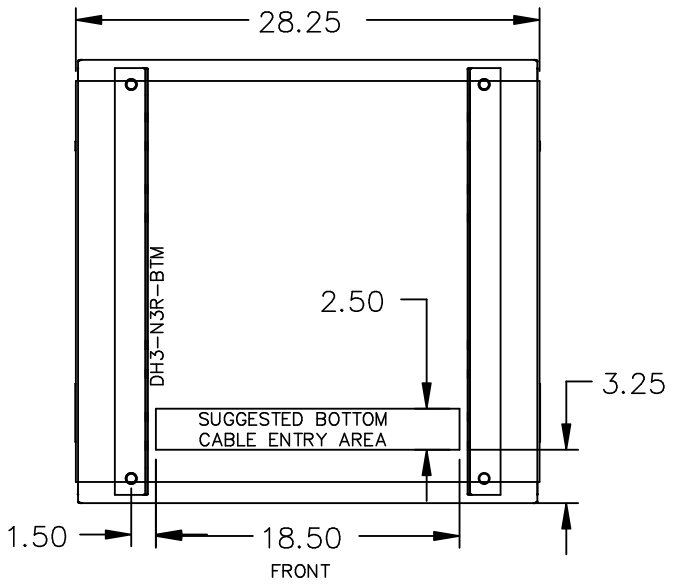
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ENCLOSURE BOTTOM VIEW



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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