hammond POWER SOLUTIONS

HPS Sentinel™ G

Energy Efficient Distribution Transformer

Transformateur de Distribution à Bon Rendement Énergétique

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

Part No. SG3N0100LE0C

LR 3902

DRY TYPE TRANSFORMER 77U5 E112313 LISTED

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

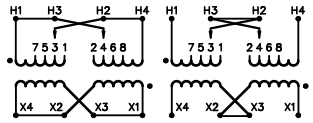
8 03423 14078 6

Cust. Ref. / Ref. du Client		Serial No. / No. de Serie	
Phase	1	HV/HT	240X480V 417X208A
Type	F	BIL	10 kV
Cooling / Refroidissement	ANN	Term Bornes	H1 H3 H2 H4
kVA	100	LV/BT	120/240V 833/417A
Temp. Rise / Echauffement	150 °C	BIL	10 kV
Temp Class / Classe Temp	220 °C	Term Bornes	X4 X2 X3 X1
Winding / Enroulement	CU	Energy Regulations	DOE 10 CFR PART 431:2016
Frequency / Frequence Hz	60	Reglements de Energetique	CEE ACT SOR/2018-201
Impedance % @ 170 °C	5.5		
Encl Type / Type De Coffrage	3R		
Weight / Poids lbs	630		

VOLTS	CURRENT COURANT	% RATED VOLTAGE / % TENSION NOMINALE	CONNECTION EACH PHASE / CONNEXION PAR PHASE
504	198	105	H1, H4
492	203	102.5	H1, H4
480	208	100	H1, H4
468	214	97.5	H1, H4
456	219	95	H1, H4
444	225	92.5	H1, H4
432	231	90	H1, H4
252	397	105	H1&H3, H2&H4
240	417	100	H1&H3, H2&H4
228	439	95	H1&H3, H2&H4
216	463	90	H1&H3, H2&H4

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 5 INCHES EXCEPT WHEN WALL MOUNTED USING APPROVED WALL MOUNTING KIT

RATIO ERROR IS TO THE NEAREST TURN PER STANDARD



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

d000186hb

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: 17/06/23 | DES: RMOVVA

SHEET 1 OF 4

EDB SG3N0100LE0C

PRIMARY VOLTS	CONNECTION LINES TO	INTER-CONNECT
504	H1,H4	1-H2,2-H3,H2-H3
492	H1,H4	3-H2,2-H3,H2-H3
480	H1,H4	3-H2,4-H3,H2-H3
468	H1,H4	5-H2,4-H3,H2-H3
456	H1,H4	5-H2,6-H3,H2-H3
444	H1,H4	7-H2,6-H3,H2-H3
432	H1,H4	7-H2,8-H3,H2-H3
252	H1&H3, H2&H4	1-H2,2-H3,H1-H3,H2-H4
240	H1&H3, H2&H4	3-H2,4-H3,H1-H3,H2-H4
228	H1&H3, H2&H4	5-H2,6-H3,H1-H3,H2-H4
216	H1&H3, H2&H4	7-H2,8-H3,H1-H3,H2-H4
SECONDARY VOLTS	CONNECTION LINES TO	INTER-CONNECT
240	X1,X4	X2-X3
120	X1&X3, X2&X4	X1-X3,X2-X4
120/240	X1, X2orX3, X4	X2-X3

2.0 httpd 2026/06/03 08:26

hammond POWER SOLUTIONS

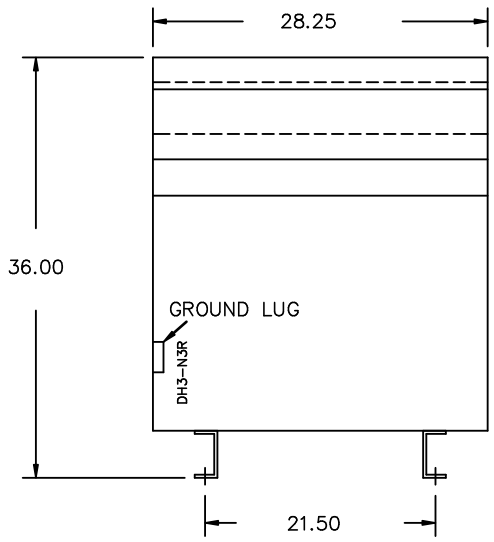
TITLE: 1PH DISTRIBUTION TRANSFORMER AUXILIARY TAP CHART

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

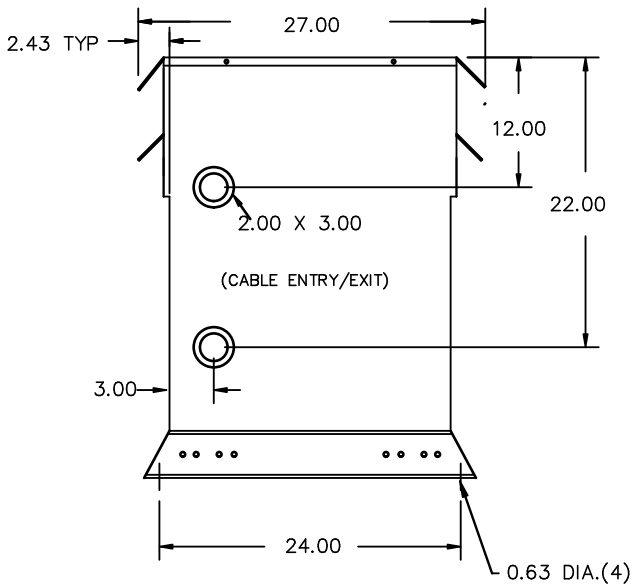
DES: RMOVVA
DATE: 17/06/23
SCALE: NTS

EDBSG3N0100LEOC

FRONT VIEW



SIDE VIEW



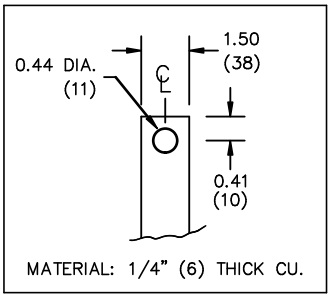
All Dimensions in inches

ENCLOSURE COLOR :ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR 600MCM–2 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

LV TERMINAL DETAIL



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

2.0 httpd 2026/06/03 08:26

hammond POWER SOLUTIONS

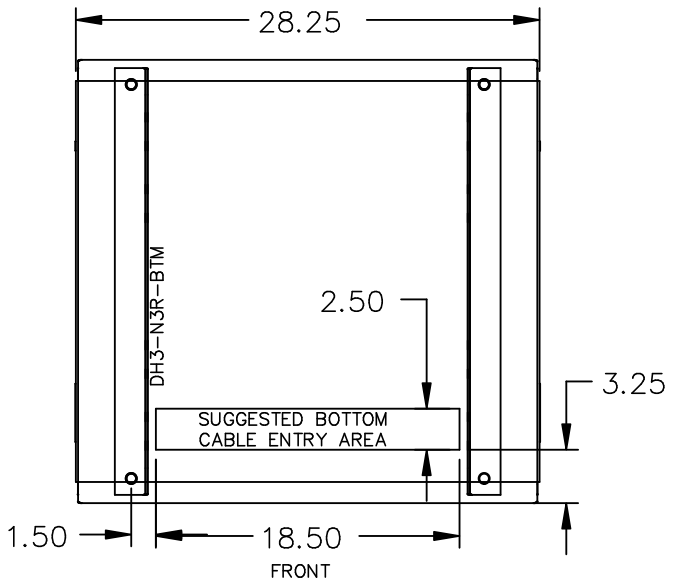
TITLE: 1PH DISTRIBUTION TRANSFORMER

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

DES: RMOVVA
DATE: 17/06/23
SCALE: NTS

EDBSG3N0100EOC

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

2.0 httpd 2026/06/03 08:26

hammond POWER SOLUTIONS

TITLE: 1PH DISTRIBUTION TRANSFORMER ENCLOSURE BOTTOM VIEW

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

DES: RMOVVA
DATE: 17/06/23
SCALE: NTS

SHEET 4 OF 4

EDBSG3N010OLEOC