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. SG3A0045KY0C

LR 3902

DRY TYPE TRANSFORMER
77US
E112313
LISTED

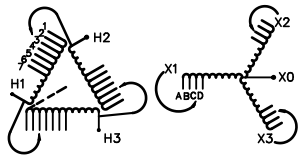
ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD C802.2-18 BY UNDERWRITERS LABORATORIES INC.® 3VJ6

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Cust. Ref. / Ref. du Client		Serial No. / No. de Serie	
Phase	3	HV/HT	480V 54.1A
Type	K	BIL	10 kV
Cooling / Refroidissement	ANN	Term / Bornes	H1 H2 H3
kVA	45	LV/BT	400Y/231V 65.0A
Temp. Rise / Echauffement	150 °C	BIL	10 kV
Temp Class / Classe Temp	220 °C	Term / Bornes	X0 X1 X2 X3
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	3.3		
Encl Type / Type De Coffrage	3R		
Weight / Poids lbs	440		

VOLTS	CURRENT / COURANT	% RATED VOLTAGE / % TENSION NOMINALE	CONNECTION EACH PHASE / CONNEXION PAR PHASE
504	51.5	105	1
492	52.8	102.5	2
480	54.1	100	3
468	55.5	97.5	4
456	57.0	95	5
444	58.5	92.5	6
432	60.1	90	7
430	60.4	107.5	A
416	62.5	104	B
400	65	100	C
380	68.4	95	D

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



SEISMIC QUALIFICATIONS:
OSP-0136/IBC 2018/ASCE 7-16
SDS<=2.0g Z/h=1 Ip=1.5

d000186hb

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

TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

SCALE: NTS
DATE: 18/05/01
DES: RMOVVA

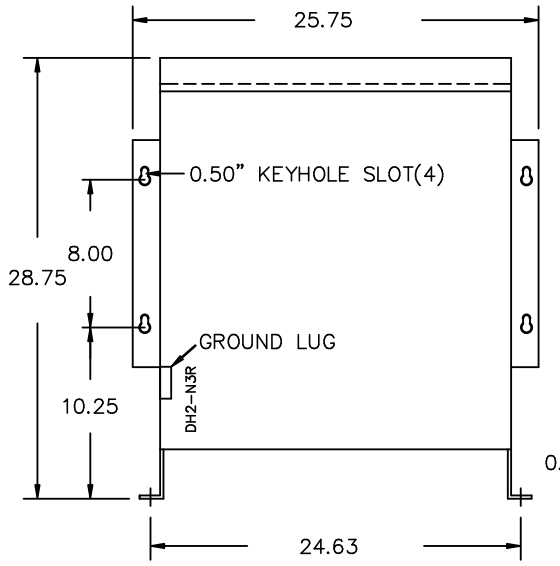
SHEET 1 OF 3

EDB SG3A0045KY0C

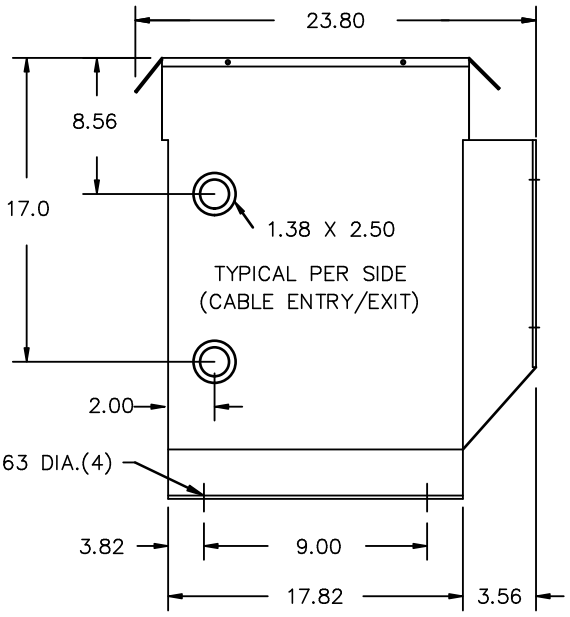
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FRONT VIEW



SIDE VIEW



All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #14–2 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

LV TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #14–2 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

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

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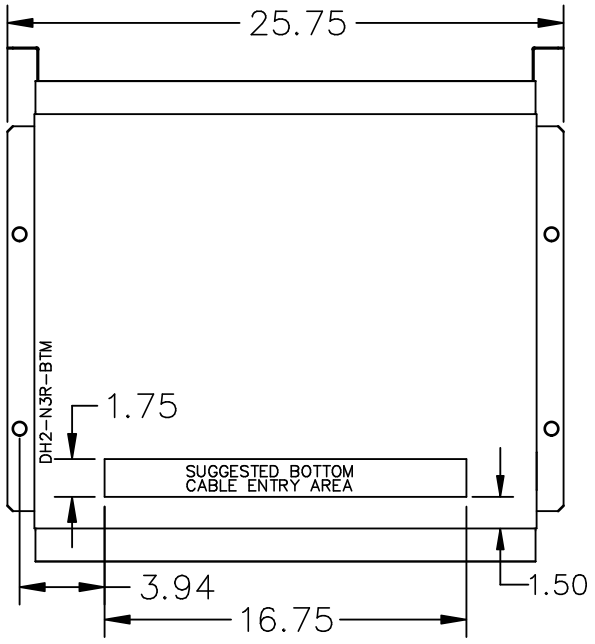
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ENCLOSURE BOTTOM VIEW



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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ENCLOSURE BOTTOM VIEW

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1	20/03/17	PP	SEISMIC UPDATE	DATE: 18/05/01

SHEET 3 OF 3

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