

PRODUCT INFORMATION PACKET



Model No: QC1072

Catalog No: QC1072

Pool Pump Motor, 3/4 HP, 1 Ph, 60 Hz, 230/115 V, 3600 RPM, 48Y Frame, ODP



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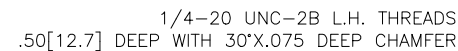
Nameplate Specifications

Output HP	3/4 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	230/115 V
Current	6.3/12.6 A	Speed	3450 rpm
Service Factor	1.65	Phase	1
Duty	Continuous	Insulation Class	B
Frame	48Y	Enclosure	Open Drip Proof
Thermal Protection	Automatic	Ambient Temperature	50 °C
UL	Recognized	CSA	Y
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Counterclockwise Pump End
Mounting	Round	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	1/2 Thread
Overall Length	11.94 in	Frame Length	8.06 in
Shaft Diameter	0.625 in	Shaft Extension	0.906 in
Connection Drawing	627103-006	Outline Drawing	QC1072

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Technical drawing of Section B-B of a ring gauge, showing a cross-section of a cylindrical part with various dimensions and tolerances. The drawing includes a break corner, a ring gauge, and a thread concentricity gage point. Dimensions are given in inches and millimeters. Tolerances are specified using feature control frames.

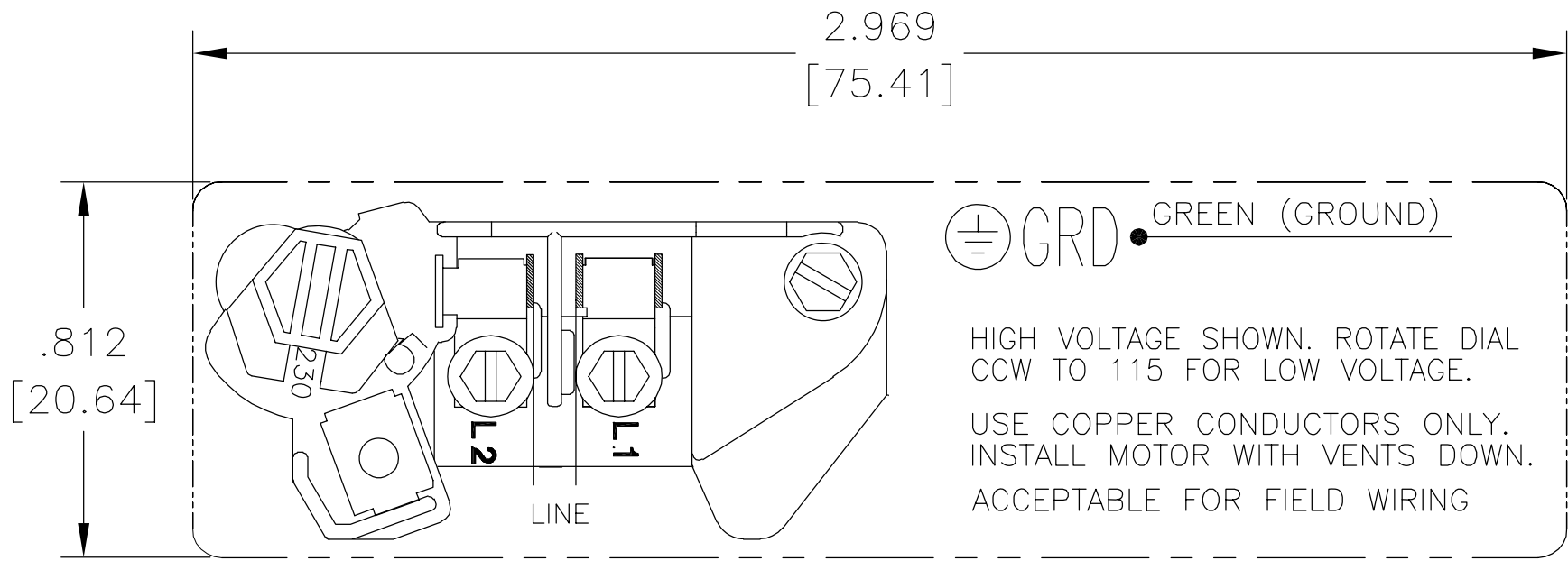
Key features and dimensions:

- Top surface: .406 [10.31] (with feature control frame $\perp .006[.15] A$)
- Inner bore: .189 [4.80] (with feature control frame $\perp .006[.15] A$)
- Inner radius: R.015 [R.38] MAX
- Break corner
- Ring gauge: R.015 [R.38] MAX
- Thread concentricity gage point: R1.00 [R25.4]
- End frame detail: .50 [12.7] and 1.00 [25.4]
- Overall length: 1.33 [33.8] MIN
- Thread: $\varnothing .435_{.425}^{.435}$ with feature control frame $\left[\begin{array}{c} \varnothing 11.04 \\ \varnothing 10.79 \end{array} \right]$
- Feature control frame: $\perp .002[.05] A$

SECTION B-B

CRITICAL TO QUALITY CHARACTERISTICS (CTQs)	DRAWING REVISION: G	REVISION BY: PRASHANTH	DATE: 12/13/2022	TOLERANCES UNLESS OTHERWISE SPECIFIED DEC. INCH MM ANGLE .X .001 .0131 .XX .002 .0151 .XXX .0005 .0131 .XXXX .00005 .0131 REMOVE BURRS & BREAK SHARP EDGES .0031.015 (0.8.38) CORNERED SURFACES .02 (.5) MACHINED SURFACES	DRAWN BY: JLG DATE: 05-12-2009 APPROVED BY:	 Regal Beloit America, Inc.	DESCRIPTION: MODEL - PFHP - 48FR OUTLINE	MATERIAL: PROCESS/FINISH:	SIZE / DWG NO: OC1072	SHEET 1
	(P) PROCESS	ECO - 0222611	APPROVED BY: PVR							
(E) ENGINEERING	DESCRIPTION: UPDATED AS PER ECR	COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. CONTACT AND DISSEMINATE OWNERS' PROPRIETARY INFORMATION, ANY PERSON, CORPORATION OR OTHER ENTITY RECEIVING IT IS DEEMED TO BE RECEIVING IT TO AGREE THAT IT AND ANY PART OF IT, SHALL BE INCORPORATED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING AND ADVANCED BY OWNER. ANY VIOLATION WILL BE RETURNED TO OWNER UPON REQUEST. MAY NOT BE SUBJECT TO EXPORT RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.								
(A) APPLICATION										
(R) REGULATORY										
(L) LIFE										

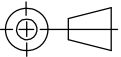
REV	ECO	REV BY	DATE	APPD	DATE
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



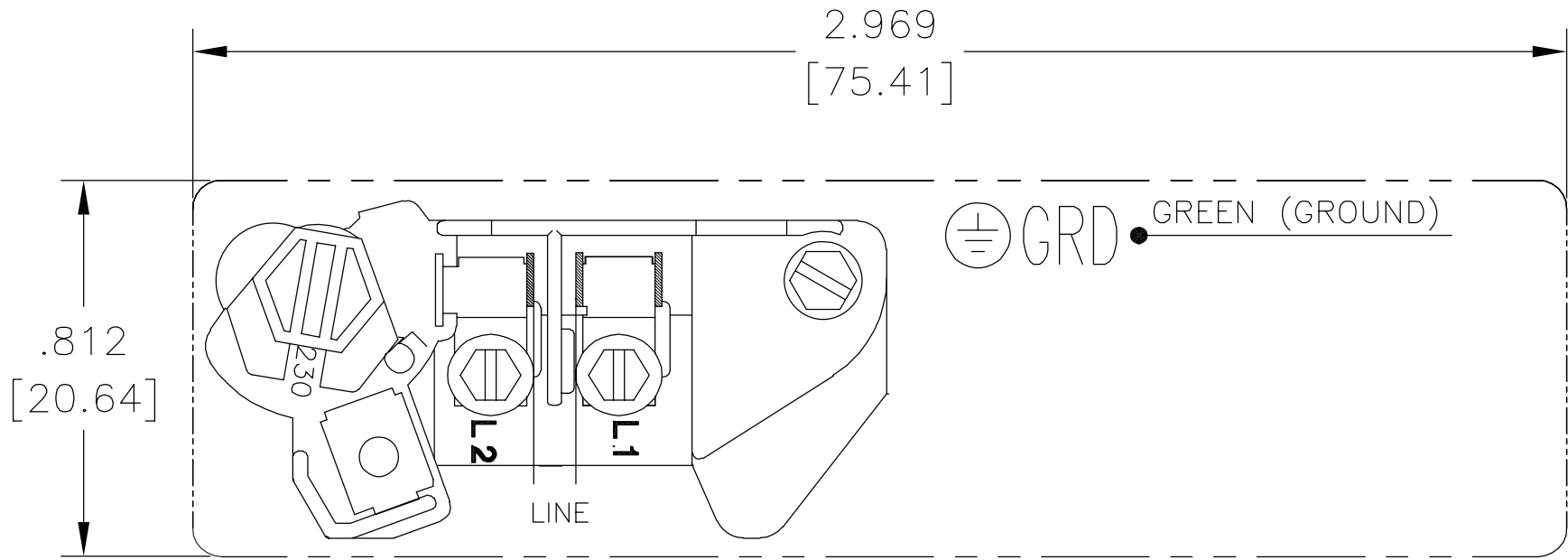
DUAL VOLTAGE

NOTE:

1. FOR USE WITH 616231 NAME PLATE BLANK.
2. — — — — INDICATES DIMENSIONAL LIMITS.
3. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

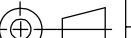
GEOMETRIC CHARACTERISTICS & SYMBOLS ∟ FLATNESS — STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY (SQUARENESS) // PARALLELISM ○ ROUNDNESS (CIRCULARITY) ⌀ CYLINDRICITY △ PROFILE OF ANY SURFACE ⌒ PROFILE OF ANY LINE ↑ RUNOUT ⊕ TRUE POSITION ◎ CONCENTRICITY ≡ SYMMETRY	UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS: INCH X XX XXX XXXX mm ±.1 ±.02 ±.005 ±.0005 mm ±0.5 ±0.13 ±0.013 ANG. ±.50 DEG REMOVE BURRS & BREAK SHARP EDGES: INCH .003-.015 mm 0.1-0.4 CORNER FILLETS TO: INCH .020 mm 0.5 MACHINE SURFACES: INCH 125 mm 3.2 METRIC DIMS. SHOWN IN [BRACKETS]	DR BY: Daniel Muñoz	04-13-2009	 ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
		APPD:		DESCRIPTION CONNECTION DIAGRAM EXTERNAL	
		THIRD ANGLE PROJECTION 	EDS DATE 02-22-2009 FORMAT REV F	SIZE A	DWG NO 627103-006
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009

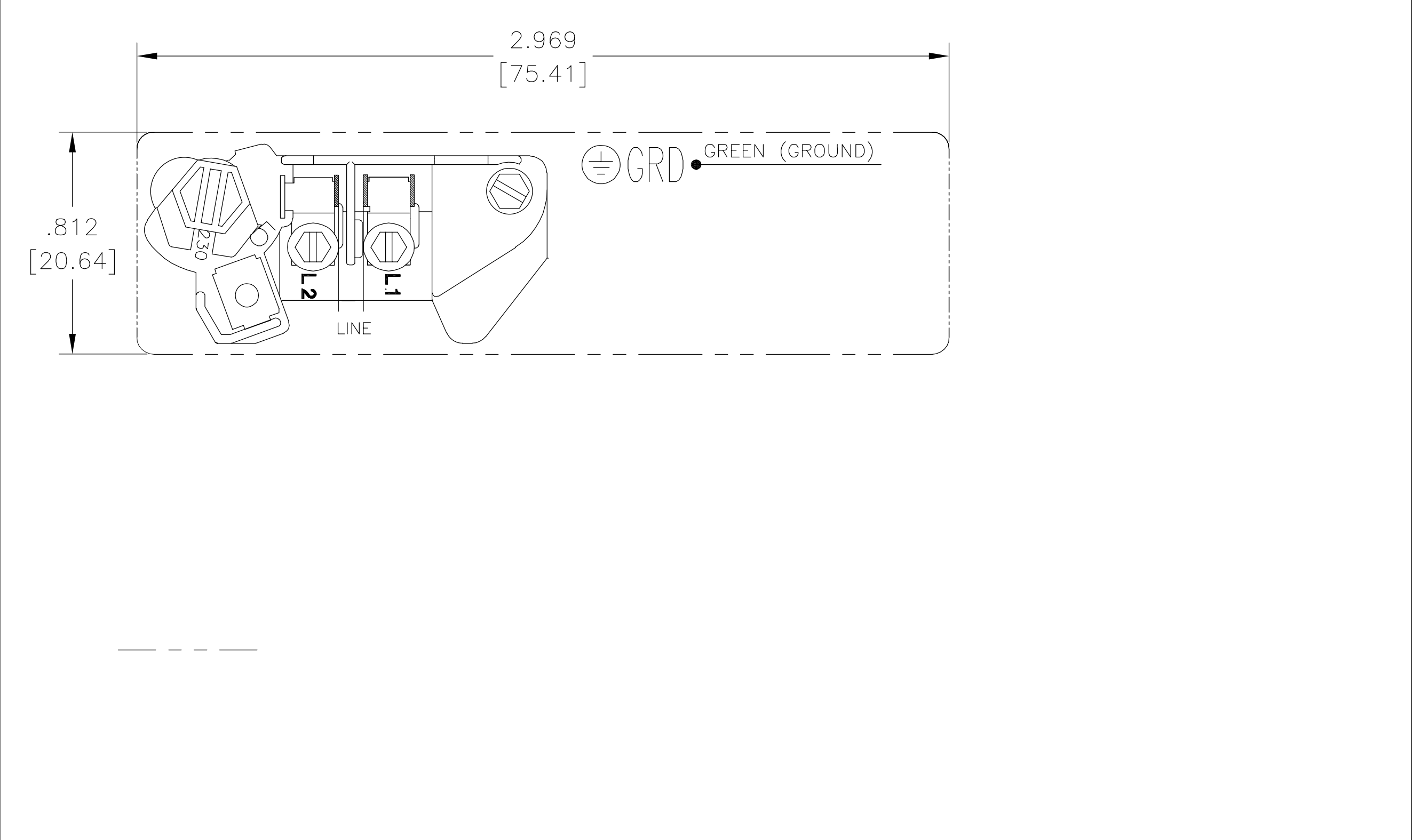


VOLTAJE DOBLE

- NOTAS:
1. PARA USARSE CON LA PLACA DE DATOS EN BLANCO 616231.
 2. — — — — INDICA LIMITES DIMENSIONALES.
 3. EL DADO DEBE PRODUCIR UNA IMPRESION LEGIBLE.

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS ∇ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ⊘ CILINDRICIDAD ⌒ PERFIL DE CUALQUIER SUPERFICIE ⌒ PERFIL DE CUALQUIER LINEA ↑ VARIACION ⊕ POSICION REAL ◎ CONCENTRICIDAD = SIMETRIA	A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES: X XX XXX XXXX PULG ±.1 ±.02 ±.005 ±.0005 mm ±0.5 ±0.13 ±0.013 ANG. ±.50 GRADOS ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE. PULG .003-.015 mm 0.1-0.4 FILETEAR ESQUINA: PULG .020 mm 0.5 MAQUINAR SUPERFICIES PULG 125 mm 3.2 DIMS METRICAS MOSTRADAS [PARENTESIS]	DIBUJADO POR: Daniel Muñoz		04-13-2009		ACSmith Innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION			
		APROBADO POR:				DESCRIPCION: CONNECTION DIAGRAM EXTERNAL			
		TERCER ANGULO DE PROYECCION				FECHA EDS: 02-22-2009 REV. FORMATO: F		TAMAÑO: A	NUMERO DE DIBUJO: 627103-006
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版本	ECO	编制	日期	批准	日期
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



形位公差 □ 平面度 — 直线度 ∠ 倾斜度 ⊥ 垂直度 // 平行度 ○ 圆度 ⊘ 圆柱度 ⌒ 面轮廓度 ⌒ 线轮廓度 ↗ 圆跳动 ⊕ 位置度 ◎ 同轴度 ≡ 对称度	除另有注明 尺寸公差如下: 英寸 X XX XXX XXXX 毫米 ±.1 ±.02 ±.005 ±.0005 毫米 ±0.5 ±0.13 ±0.013 角度 ±.50 度 清理毛刺和尖棱 英寸 .003-.015 毫米 0.1-0.4 内圆角 英寸 .020 毫米 0.5 表面粗糙度 英制 125 米制 3.2 米制尺寸显示在[]	绘图:	Daniel Muñoz	04-13-2009	ACSmith innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION				
		批准:			名称 CONNECTION DIAGRAM EXTERNAL				
		第三角投影		图纸格式发布日期 02-22-2009				图纸格式版本 F	
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		ASME Y14.5M 1994					比例	NONE	