

PRODUCT INFORMATION PACKET



Model No: USQ1252
Catalog No: USQ1252
Pool Pump Motor, 2 1/2 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 48Y Frame, ODP



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Nameplate Specifications

Output HP	2 1/2 Hp	Output KW	1.9 kW
Frequency	60 Hz	Voltage	230 V
Current	11.2 A	Speed	3450 rpm
Service Factor	1	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	14.57 in	Frame Length	10.69 in
Shaft Diameter	0.625 in	Shaft Extension	0.906 in
Connection Drawing	627103-007	Outline Drawing	USQ1252

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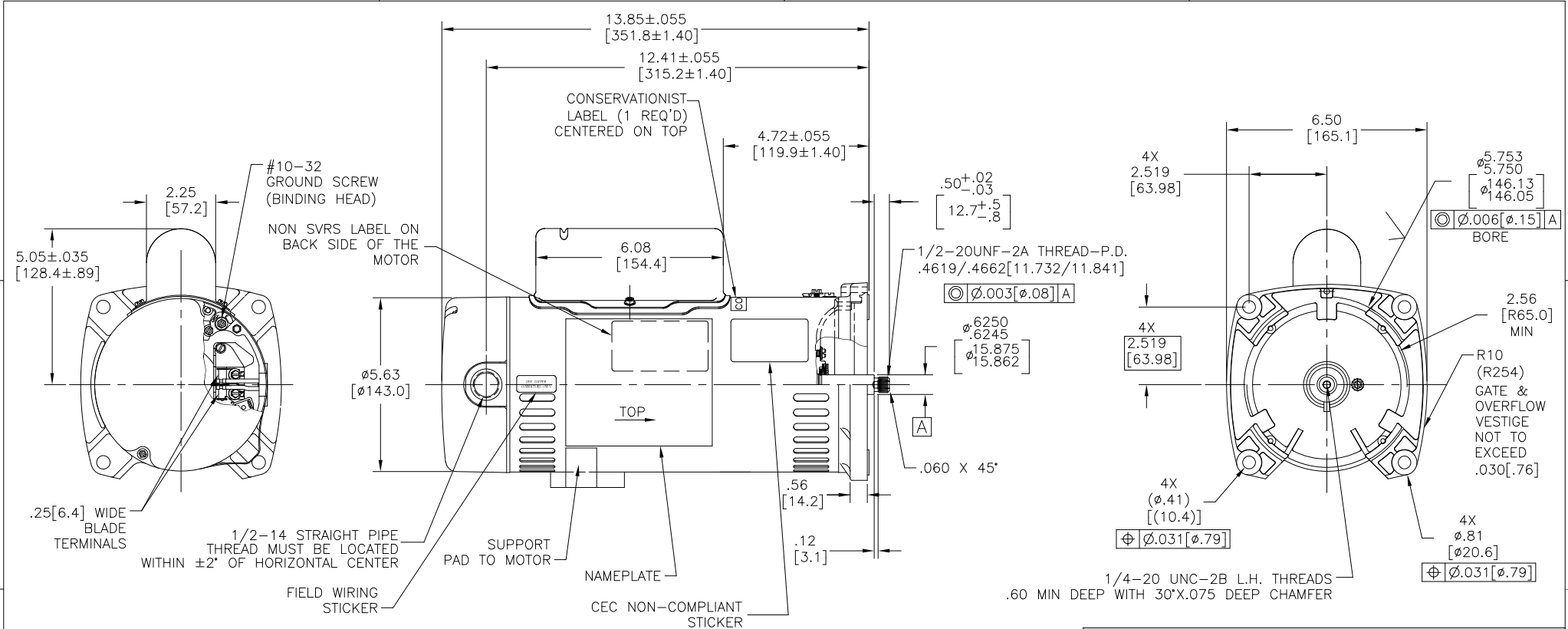
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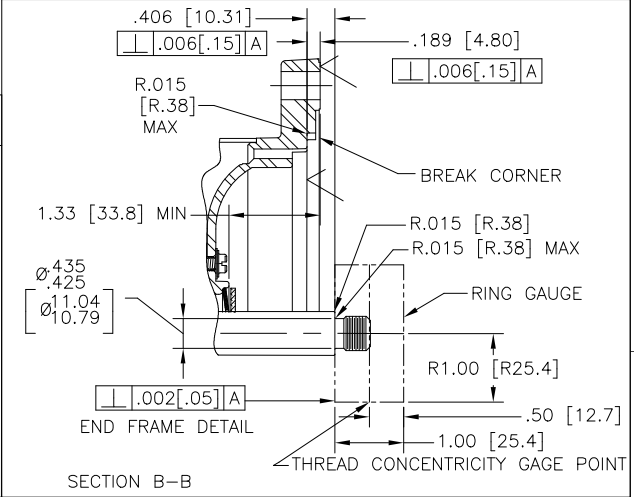
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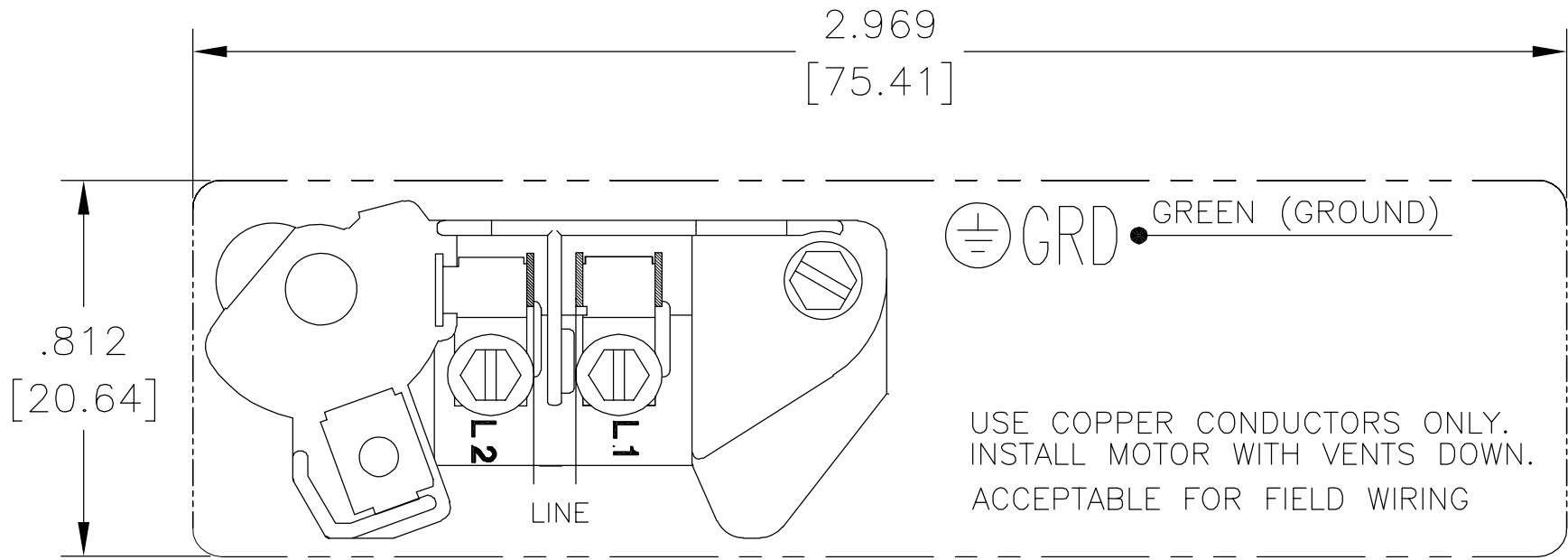
NAMEPLATE DATA	EXTERNAL CONNECTION DIAGRAM	NOTES
MODEL: K48N2PA105C5 CUST PN: USQ1252 HP: 2.5 SF: 1.0 ROT: CCWPE RPM: 3450 TYPE: UAK FORM: CODE: F FRAME: 48 Y VOLTS: 230 AMPS: MAX AMPS: 11.2 SF AMPS: - PH: 1 HZ: 60 INS: B AMB: 50°C DUTY: CONT ENCLOSURE: ODP THERMALLY PROTECTED	USE COPPER CONDUCTORS ONLY. INSTALL MOTOR WITH VENTS DOWN. ACCEPTABLE FOR FIELD WIRING	1. FINISH PAINT TO BE BLACK. 2. .44 [11.2] WRENCH FLATS ON SHAFT-FOR ACCESS TO THIS WRENCH FLAT REMOVE END COVER. 3. STAINLESS STEEL SHAFT EXTENSION. 4. LIMITS ON AMPLITUDE OF VIBRATION MEASURED AT BEARING HOUSING = .001 [0.03] 5. CAPACITOR HOUSING TO BE LOCATED WITHIN ±2.5' OF VERTICAL C OF END FRAME (PUMP END). 6. CTQ REQUIREMENT SEE EP000105-008. 7. RoHS & REACH REQUIREMENT SEE EP000014.



PERFORMANCE CURVE		APPROVED SAMPLE	
K48N2W1			
UL COMPONENT		CSA	
FILE#	CCN#	FILE#	GUIDE#
E25022	XEWR2	LR43341	4211-01
CUSTOMER	DISTRIBUTION SERVICES		

CRITICAL TO QUALITY CHARACTERISTICS (CTQs)	DRAWING REVISION	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED	ANGLE	DRAWN BY:	REGAL™	Regal Beloit America, Inc.
ECO-0222611	DATE	PRASHANTH	12/13/2022	DEC. INCH mm	±0.1 (±3) ±0.5	JLG	DATE:	05-12-2009
ECO DESCRIPTION SEE ECR	DATE	PVR	12/13/2022	.XX ±0.02 (±0.5)	±0.005 (±0.13)	APPROVED BY:	DESCRIPTION	MODEL-PFHP-48FR OUTLINE
PROCESS	ECO DESCRIPTION	SEE ECR		.XXX ±0.005 (±0.13)	±0.0005 (±0.013)	DATE:	MATERIAL	
ENGINEERING	ECO DESCRIPTION	SEE ECR		REMOVE BURRS & BREAK SHARP EDGES .003/.015 (.08.38)	CORNER FILLETS .02 (.5)	PROCESS/FINISH	SIZE	DWG NO
APPLICATION	ECO DESCRIPTION	SEE ECR		MACHINED SURFACES .125 mm 32	INCH mm 32	THIRD ANGLE PROJECTION	SIZE	DWG NO
REGULATORY	ECO DESCRIPTION	SEE ECR					SIZE	DWG NO
LIFE	ECO DESCRIPTION	SEE ECR					SIZE	DWG NO

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



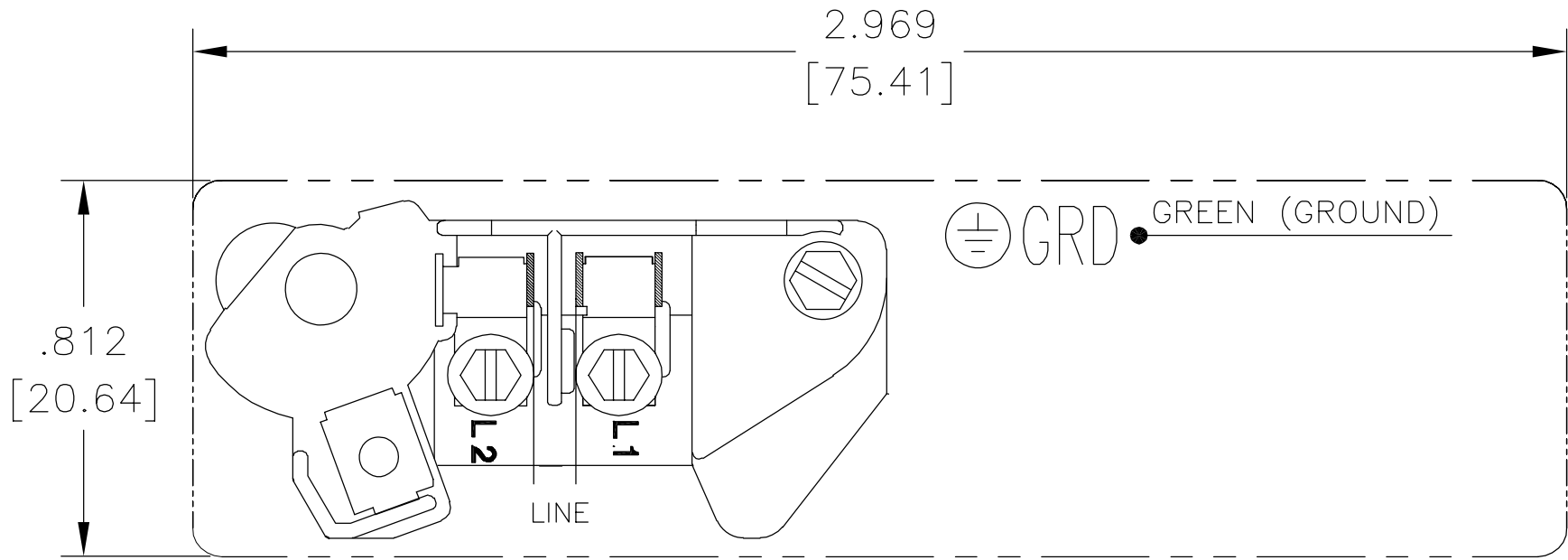
230 VOLTAGE — SINGLE SPEED

NOTE:

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

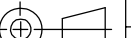
GEOMETRIC CHARACTERISTICS & SYMBOLS ∟ FLATNESS — STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY (SQUARENESS) // PARALLELISM ○ ROUNDNESS (CIRCULARITY) ⊘ CYLINDRICITY △ PROFILE OF ANY SURFACE ⌒ PROFILE OF ANY LINE ↑ RUNOUT ⊕ TRUE POSITION ◎ CONCENTRICITY = SYMMETRY	UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS: INCH X XX XXX XXXX mm ±.1 ±.02 ±.005 ±.0005 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	ACSmith Innovation has a name. 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 627103-007
		CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF A.O. SMITH CORP. AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF A.O. SMITH CORP. -ALL RIGHTS RESERVED. ASME Y14.5M 1994		SCALE NONE	SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009

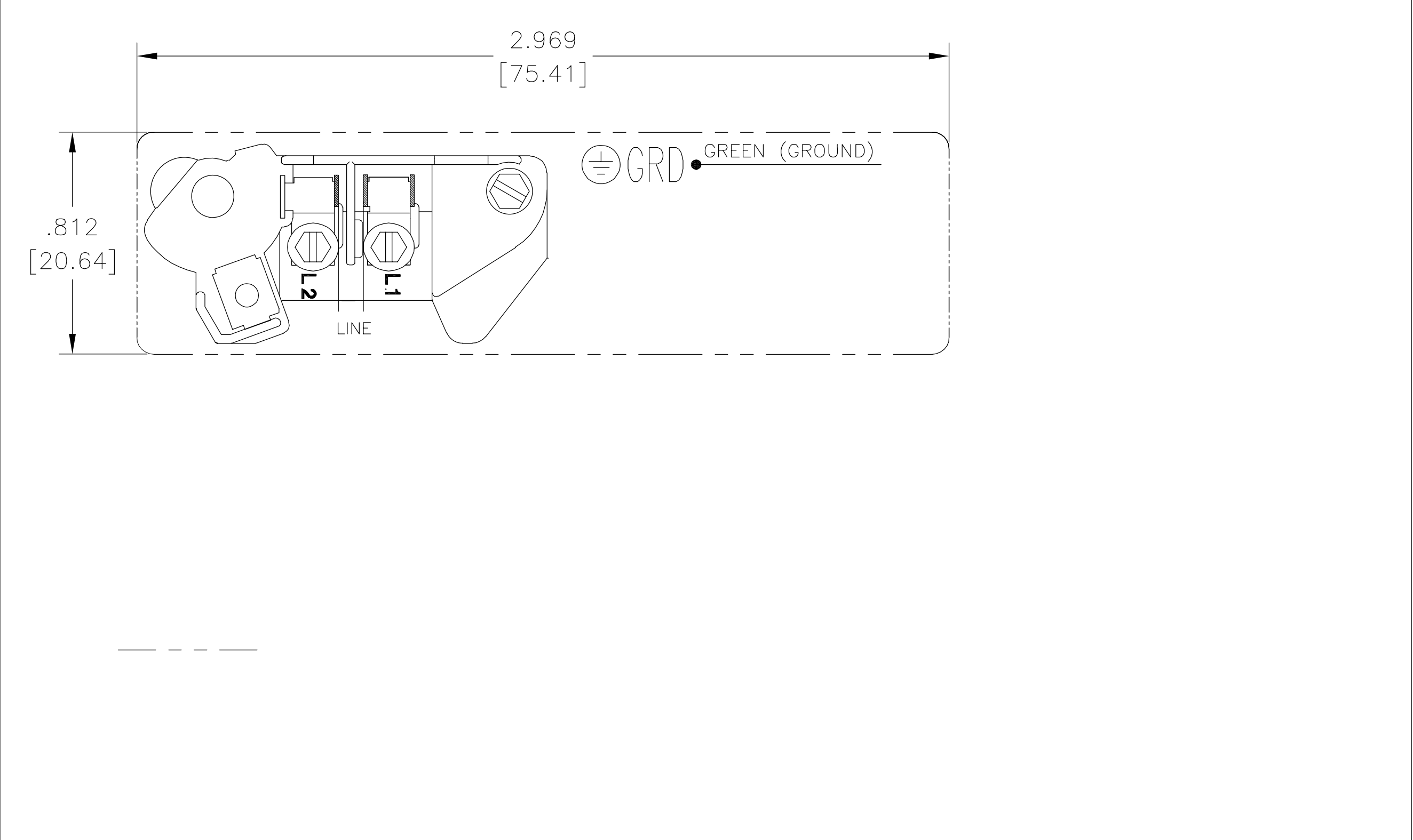


VOLTAJE 230 – VELOCIDADA SENCILLA

- 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 ◎ CONCENRICIDAD = 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: 627103-007
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版本	ECO	编制	日期	批准	日期
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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:	绘图:	Daniel Muñoz	04-13-2009	ACSmith innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION			
	英寸 X XX XXX XXXX ±.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[]	批准:				名称		
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				图纸格式版本 F				
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