

# PRODUCT INFORMATION PACKET



Model No: R1102ES

Catalog No: R1102ES

General Purpose Pump Motor, 1 HP, 1 Ph, 60 Hz, 230/115 V, 3600 RPM, 48Y Frame, ODP



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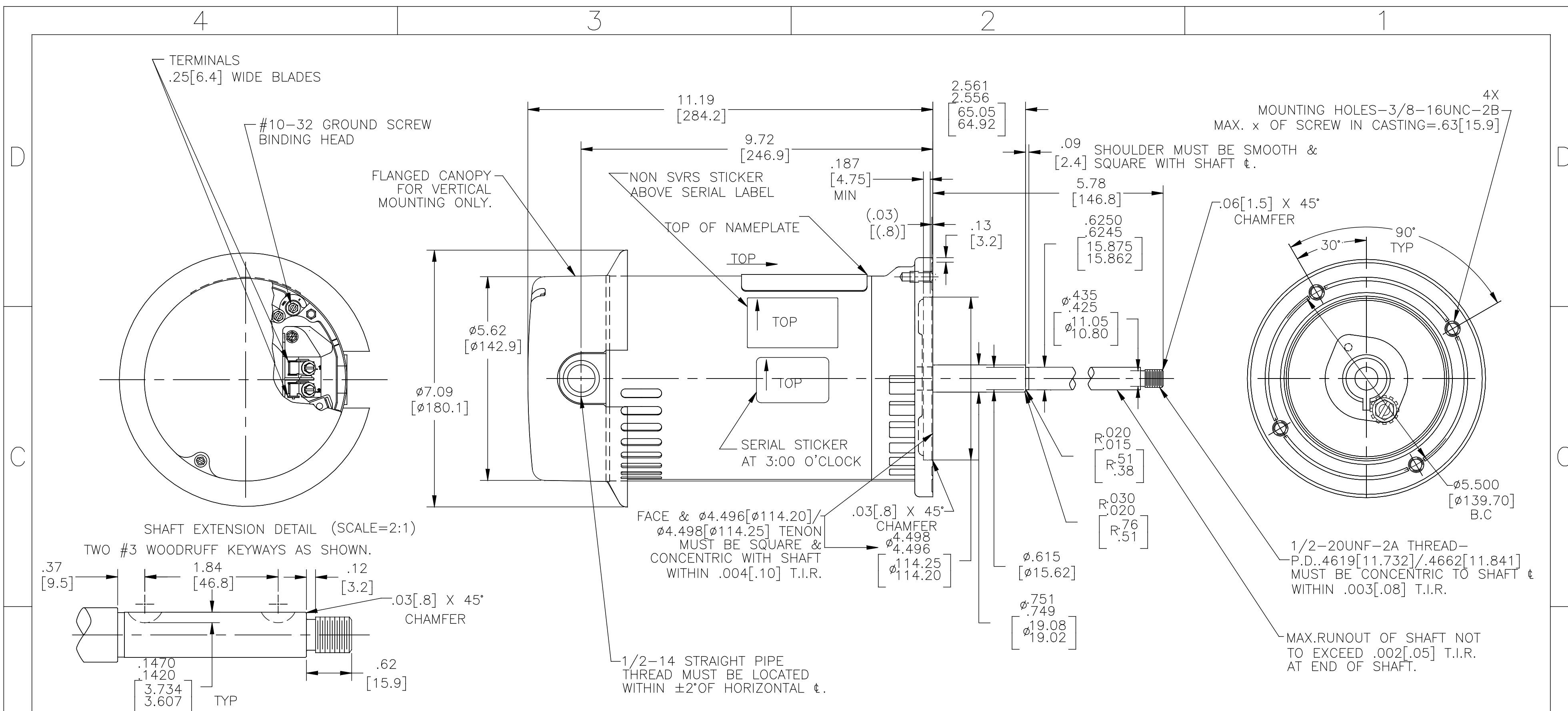
### Nameplate Specifications

Phase	1	Output HP	1 Hp
Output KW	0.75 kW	Voltage	230/115 V
Speed	3450 rpm	Service Factor	1.65
Frame	48Y	Enclosure	Open Drip Proof
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	9.6/19.2 A
Duty	Continuous	Insulation Class	B
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

### Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Counterclockwise Pump End
Mounting	Round	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Threaded	Overall Length	16.97 in
Frame Length	7.31 in	Shaft Diameter	0.750 in
Shaft Extension	5.78 in		
Connection Drawing	627103-006	Outline Drawing	R1102ES-S01

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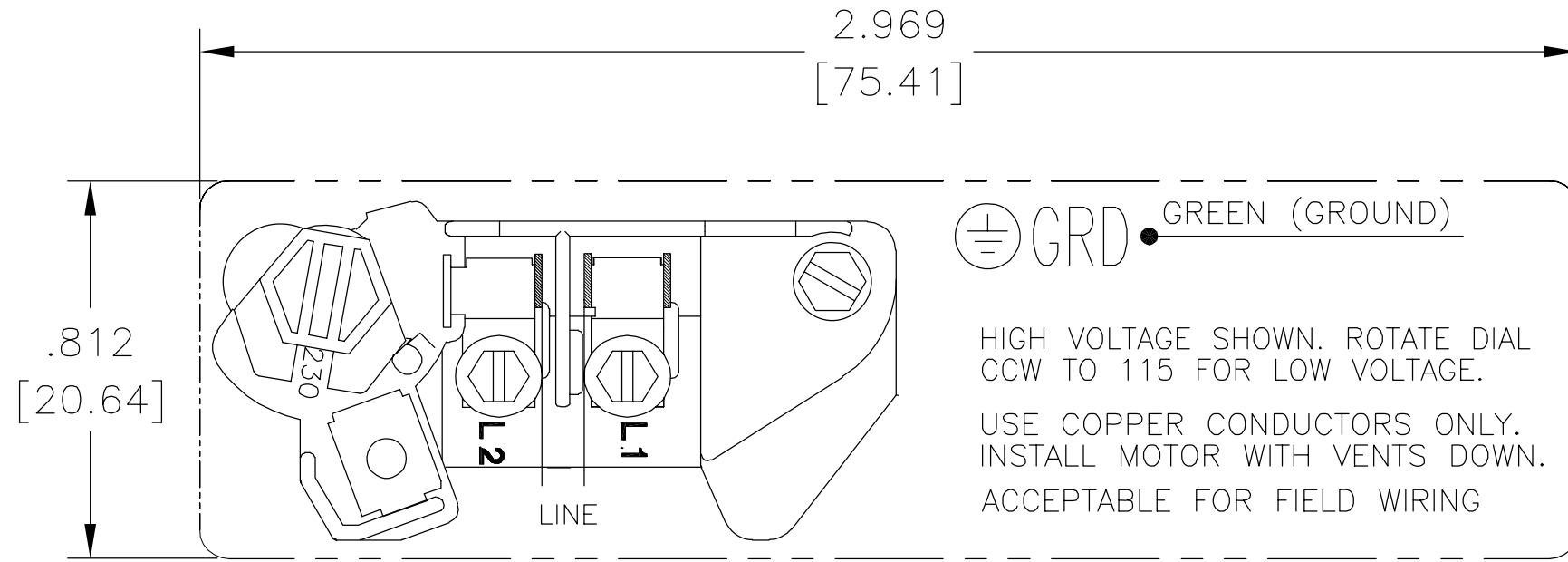
NAMEPLATE DATA		EXTERNAL CONNECTION DIAGRAM	NOTES
MODEL: C48L2FC4A3 CUST PN: R1102ES HP: 1 SF: 1.65 ROT: CCWPE RPM: 3450 TYPE: C CODE: M FORM: FRAME: 48Y VOLTS: 230/115 AMPS: MAX_AMPS: 9.6/19.2 SF_AMPS: - PH: 1 HZ: 60 INS: B AMB: 40 DUTY: CONT ENCLOSURE: ODP THERMALLY PROTECTED		<p>HIGH VOLTAGE SHOWN. ROTATE DIAL CCW TO 115 FOR LOW VOLTAGE. USE COPPER CONDUCTORS ONLY. INSTALL MOTOR WITH VENTS DOWN. ACCEPTABLE FOR FIELD WIRING</p>	<ol style="list-style-type: none"> <li>FINISH PAINT TO BE SATIN BLACK.</li> <li>.44[11.1] WRENCH FLATS ON SHAFT FOR ACCESS TO THIS WRENCH FLAT REMOVE END COVER.</li> <li>STAINLESS STEEL SHAFT EXT.</li> <li>LIMITS ON AMPLITUDE OF VIBRATION MEASURED AT BEARING HOUSING=.001[.03]</li> <li>CONNECT MOTOR FOR 230 VOLTS. QUICK VOLTAGE CHANGE PLUG INCLUDED ON TERMINAL BOARD. VOLT STICKER TO READ THAT CONNECTED VOLTAGE.</li> <li>MOTOR ASSEMBLY REF:624650-002</li> </ol>

PERFORMANCE CURVE	APPROVED SAMPLE		
C48L2W27			
UL COMPONENT	CSA		
FILE#	CCN#	FILE#	GUIDE#
E46412	PRGY2	LR43341	4211-01
CUSTOMER	DISTRIBUTION SERVICES		

DRAWING REVISION	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY:
C	F.NAVARRO	09-27-2016	DEC. INCH mm ANGLE	IDT
ECO	APPROVED BY	DATE	.X $\pm 0.1$ [ $\pm 2.5$ ] $\pm 0.5^\circ$	DATE:
ECO-0109446	-	-	.XX $\pm 0.02$ [ $\pm 0.51$ ]	04-14-2003
SEE ECO			.XXX $\pm 0.005$ [ $\pm 0.127$ ]	APPROVED BY:
			.XXXX $\pm 0.0005$ [ $\pm 0.0127$ ]	WB
			REMOVE BURRS & BREAK SHARP EDGES .003[.015] [0.076[.381]	DATE:
			CORNER FILLETS .02 [51]	05-29-2003
			MACHINED SURFACES $\frac{125}{\sqrt{mm}}$ $\frac{3.2}{\sqrt{mm}}$	REFERENCE
			mm SHOWN IN [BRACKETS]	MATERIAL
				PROCESS/FINISH

REGAL™ Regal Beloit America, Inc.		DESCRIPTION	MATERIAL	PROCESS/FINISH
		MODEL-PFHP-48FR		
		OUTLINE		
THIRD ANGLE PROJECTION	SIZE DWG NO	R1102ES		SHEET 1

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	±.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
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CORNER FILLETS TO:

INCH	.020	mm	0.5
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MACHINE SURFACES:

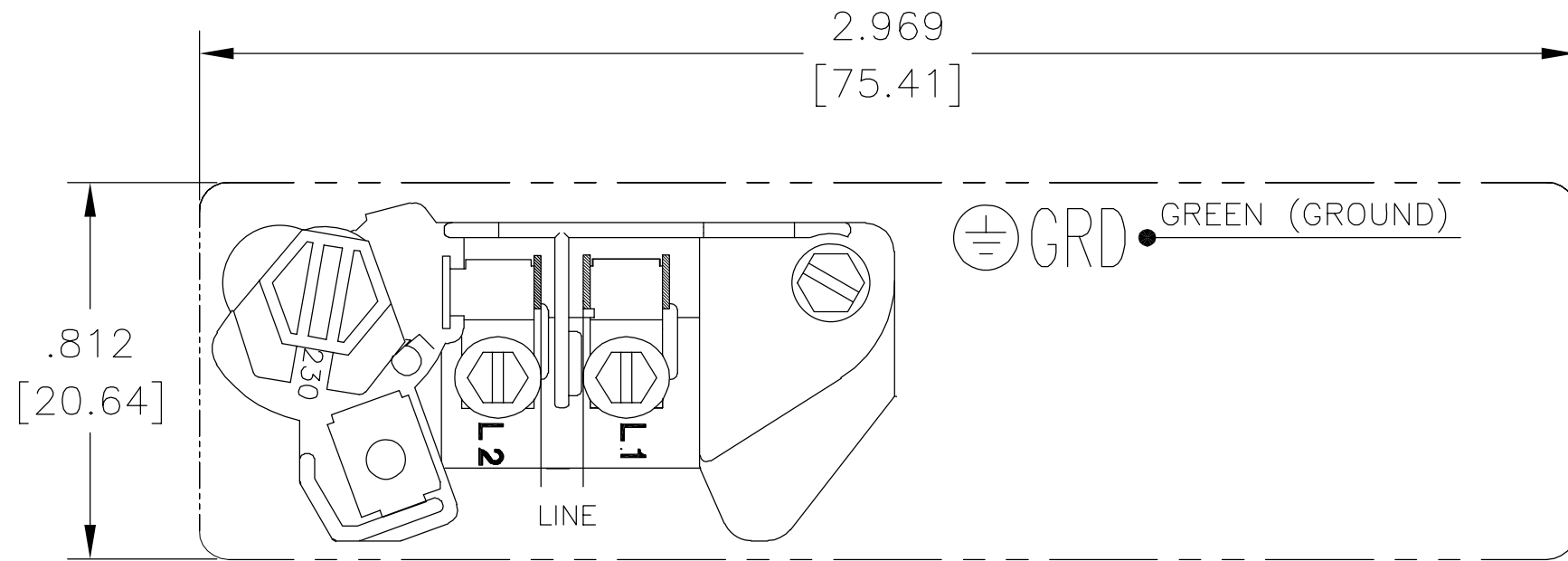
INCH	125	mm	3.2
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METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	Daniel Muñoz	04-13-2009
APPD:		
THIRD ANGLE PROJECTION		EDS DATE 02-22-2009 FORMAT REV F
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		<b>ELECTRICAL PRODUCTS COMPANY</b> <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPTION <b>CONNECTION DIAGRAM EXTERNAL</b>			
SIZE A	DWG NO 627103-006		
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 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

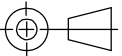
A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:


	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.

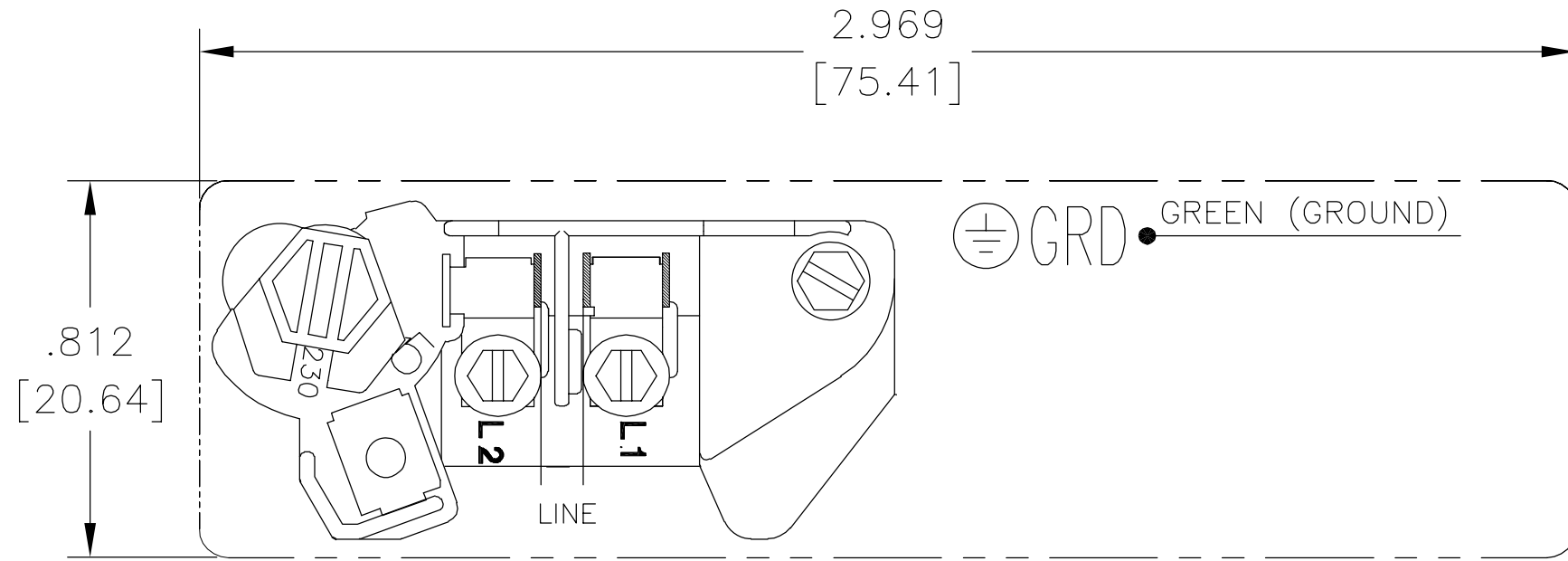
PULG .003-.015 mm 0.1-0.4  
FILETEAR ESQUINA: PULG .020 mm 0.5  
MAQUINAR SUPERFICIES  
PULG 125 mm 3.2

DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR: Daniel Muñoz	04-13-2009
APROBADO POR:	
TERCER ANGULO DE PROYECCION	
FECHA EDS: 02-22-2009	REV. FORMATO: F
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DESCRIPCION: CONNECTION DIAGRAM EXTERNAL	
TAMAÑO: A	NUMERO DE DIBUJO: 627103-006
ESCALA:NONE	HOJA: 1

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:

	X	XX	XXX	XXXX
英寸	±.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
批准:		
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名称 CONNECTION DIAGRAM EXTERNAL			
图幅	A	图号	627103-006
比例	NONE	页号	1