

PRODUCT INFORMATION PACKET



Model No: FH1038
Catalog No: FH1038

Condenser Fan Motor, 1/3 HP, 1 Ph, 60 Hz, 460 V, 825 RPM, 1 Speed, 48 Frame, SEMI ENCLOSED



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Nameplate Specifications

Phase	1	Output HP	1/3 Hp
Output KW	0.25 kW	Voltage	460 V
Speed	825 rpm	Service Factor	1
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	60 °C
Frequency	60 Hz	Current	0.9 A
Duty	Air Over	Insulation Class	B
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Mounting	Extended Studs	Motor Orientation	Any
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Double Flat
Overall Length	12.49 in	Frame Length	5.00 in
Shaft Diameter	0.500 in	Shaft Extension	6.4 in
Outline Drawing	FH1038-S01	Connection Drawing	614131-043

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GENERAL INFORMATION:

SHAFT RUNOUT: .001[.03] T.I.R. PER INCH LENGTH OF EXTENSION

BEARINGS: BALL

MOUNTING POSITION: HORIZONTAL OR VERTICAL SHAFT-UP

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)

LEADS: NO. 18 GA., .06[1.5] THK. PVC 105°C INSUL.

GROUND LEAD: NO. 18 GA., .03[.8] THK., (GREEN) INSUL.

NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48N60A01 CUST. P/N: FH1038 HP: 1/3 ROT.: REVERSIBLE RPM: 825 TYPE: UF FRAME: 48Y VOLTS: 460 PH: 1 AMPS: 0.9(1.0 MAX.) HZ: 60 INS.: B AMB.: 60° C DUTY: AIR OVER CAP.: 10 MFD/370V ENCL: SEMI-ENCL UL LOGO CSA LOGO THERMALLY PROTECTED	SEP. CAP. BROWN YELLOW BLACK BLUE PURPLE LINE SHOWN FOR CCWLE ROT. FOR CWLE ROT. INTERCHANGE BLUE AND BROWN LEADS.

614131-043

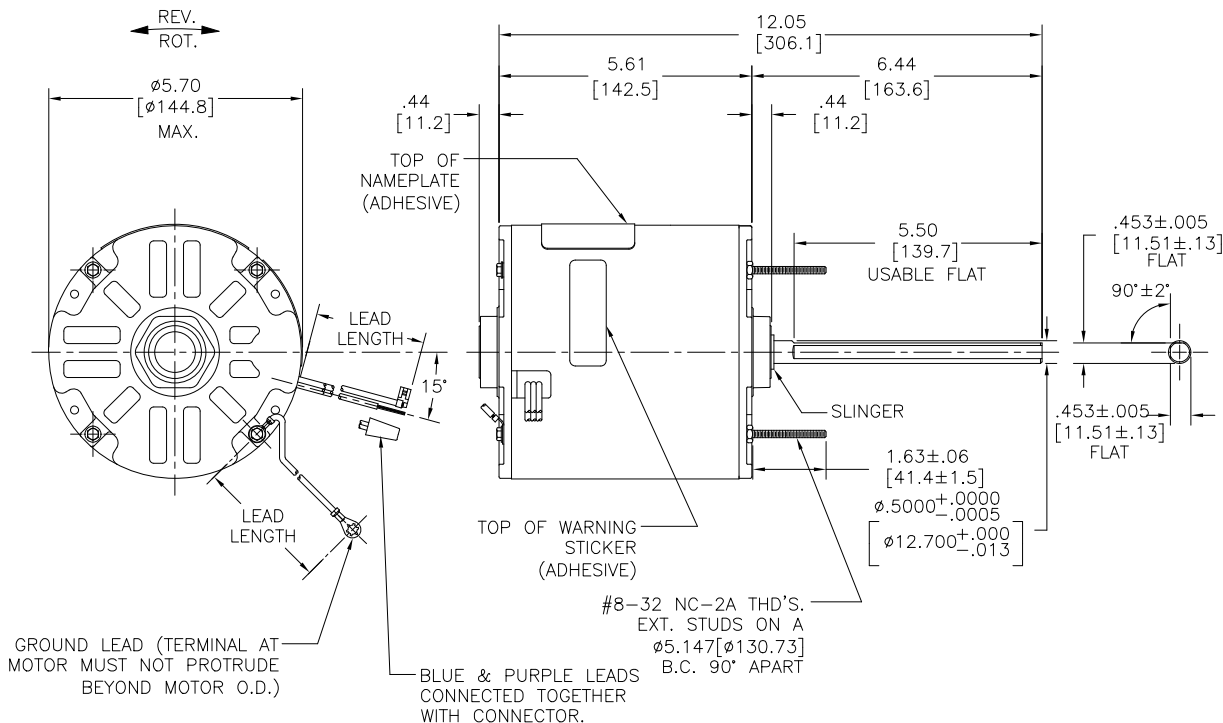
PERFORMANCE CURVE NO.	TORQUE @ 825 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C31854	33.83 OZ. FT.	92AC235	FILE # CCN # FILE # CLASS #	E46412 PRGY2 LR43341 4211-01

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

ASME Y14.5M 1994

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DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.



GREEN(GRD)	12.0/13.0 [305/330]	#10 EYELET
BROWN	26.0/28.0 [660/711]	.25[6.4] FLAG
YELLOW	26.0/28.0 [660/711]	.75[19.1] STRIP
BLACK	26.0/28.0 [660/711]	.75[19.1] STRIP
PURPLE	26.0/28.0 [660/711]	.75[19.1] STRIP
BLUE	26.0/28.0 [660/711]	.75[19.1] STRIP
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

LEAD DATA

DR BY: T.HUANG	02-14-2011
APPD: B.C.SHEN	02-14-2011
THIRD ANGLE PROJECTION	EDS DATE 11-11-2011 FORMAT REV G
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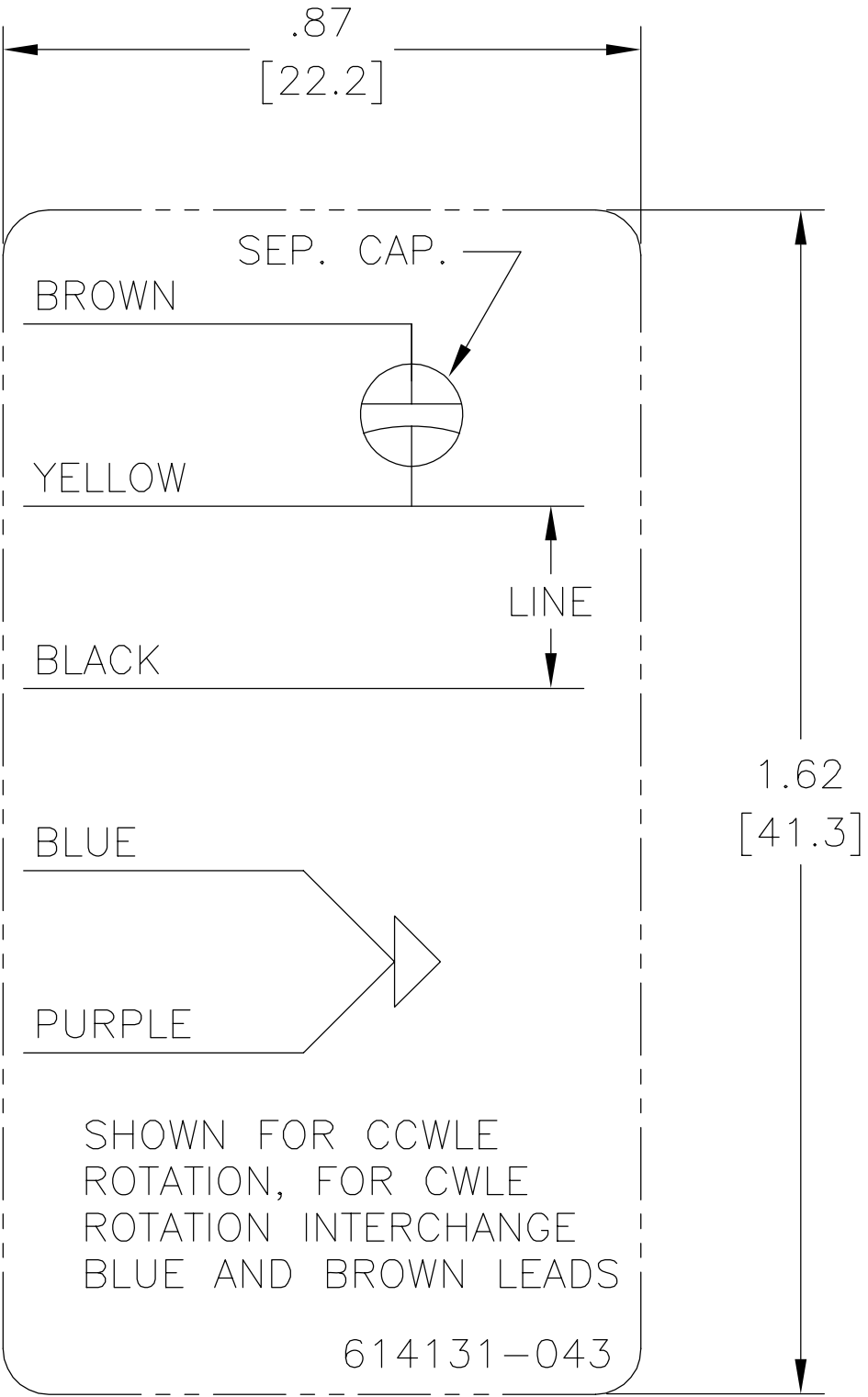
MAIN FRAME - OLE	ENCLOSED
END FRAME - OLE	ENCLOSED
MAIN FRAME - LE	ENCLOSED
END FRAME - LE	OPEN

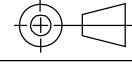
CUSTOMER	DISTRIBUTION SERVICES
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DESCRIPTION	
MODEL-RFHP-48FR OUTLINE	
SIZE C	DWG NO FH1038
SCALE NONE	SHEET 1

REV	ECO	REV BY	DATE	APPD	DATE
F	ECO-0023184	jrupert	11-04-2011	jrupert	11-04-2011

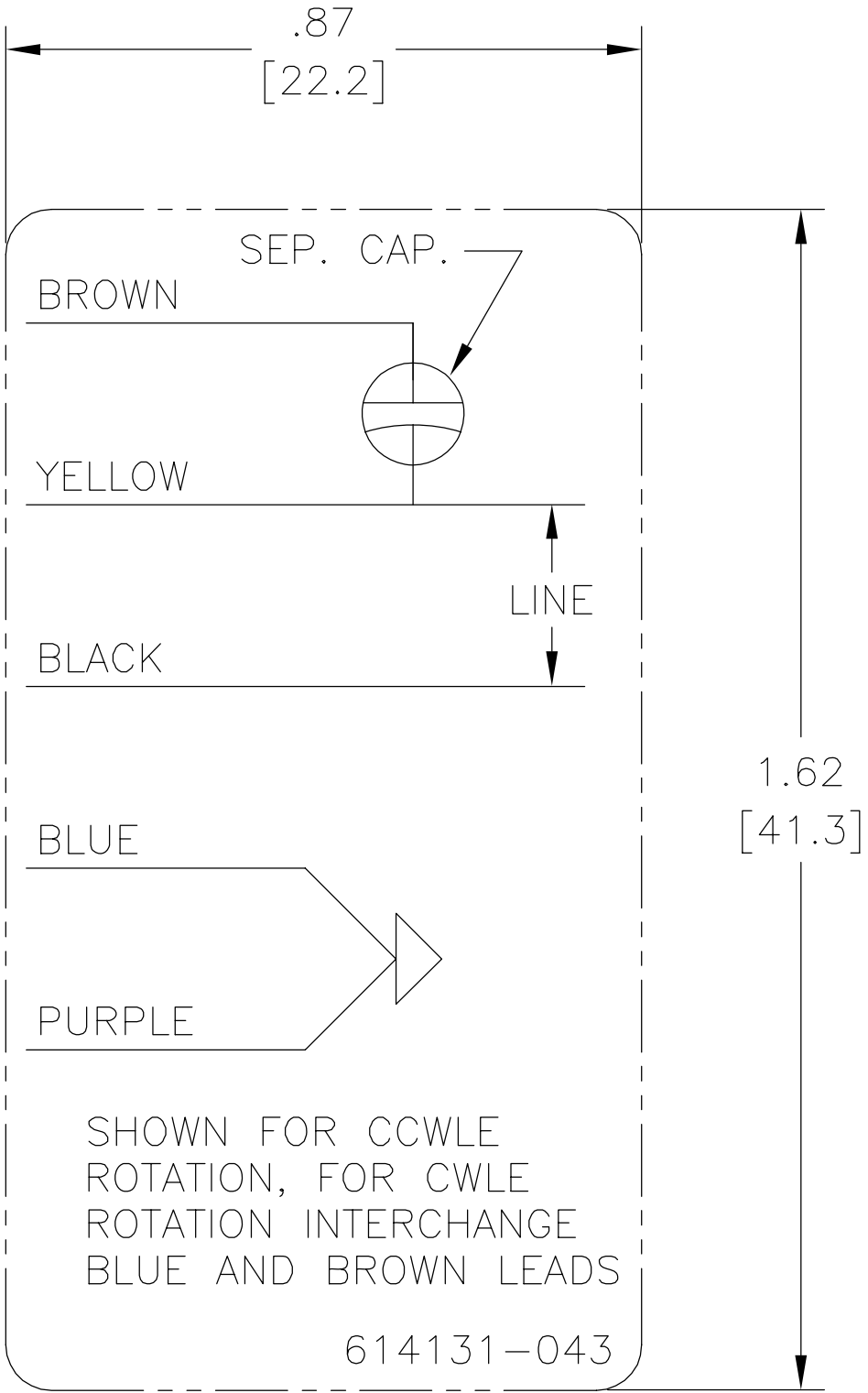
- NOTES:
- FOR USE WITH 614129 NAMEPLATE BLANK
 - — — — — INDICATES DIMENSION LIMITS
 - DIE TO BE MADE FROM MASTER SUPPLIED BY A. O. SMITH CORPORATION
 - DIE MUST PRODUCE A LEGIBLE IMPRESSION.

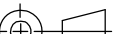


GEOMETRIC CHARACTERISTICS & SYMBOLS ∇ FLATNESS — STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY (SQUARENESS) // PARALLELISM ○ ROUNDNESS (CIRCULARITY) ⊘ CYLINDRICITY △ PROFILE OF ANY SURFACE ⌒ PROFILE OF ANY LINE ↑ RUNOUT ⊕ TRUE POSITION ◎ CONCENTRICITY ≡ SYMMETRY	UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES 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:	jrupert	11-04-2011	 ELECTRICAL PRODUCTS COMPANY innovation has a name. A DIVISION OF A. O. SMITH CORPORATION			
		APPD:	jrupert	11-04-2011	DESCRIPTION CONN DIAGRAM NAMEPLATE			
		THIRD ANGLE PROJECTION 		EDS DATE 02-22-2008				FORMAT REV F
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						SCALE NONE		SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
F	ECO-0023184	jrupert	11-04-2011	jrupert	11-04-2011

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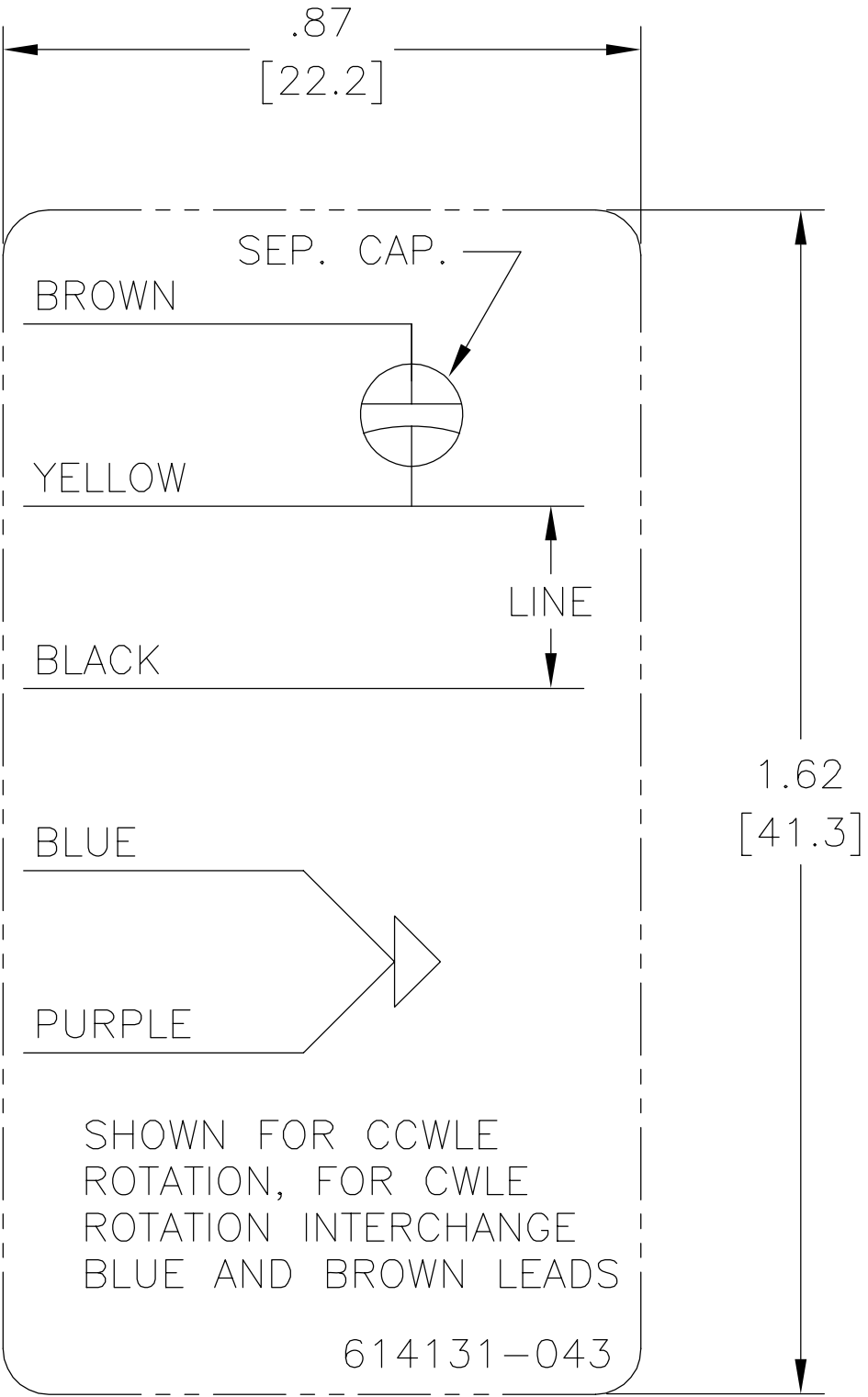


CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS ∇ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ⌀ CILINDRICIDAD ⌒ PERFIL DE CUALQUIER SUPERFICIE ⌒ PERFIL DE CUALQUIER LINEA ↗ VARIACION ⊕ POSICION REAL ◎ CONCENTRICIDAD ≡ SIMETRIA	A MENOS QUE SE ESPECIFIQUE 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: jrupert	11-04-2011	ACSmith Innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION		
		APROBADO POR: jrupert	11-04-2011			
		TERCER ANGULO DE PROYECCION		FECHA EDS: 02-22-2008 REV. FORMATO: F	DESCRIPCION: CONN DIAGRAM NAMEPLATE	
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					ESCALA:NONE	

版本	ECO	编制	日期	批准	日期
F	ECO-0023184	jrupert	11-04-2011	jrupert	11-04-2011

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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: jrupert 11-04-2011		ACSmith innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
	英寸 X ±.1 ±.02 ±.005 ±.0005 毫米 XX ±0.5 ±0.13 ±0.013 角度 XXX ±.50 度 清理毛刺和尖棱 英寸 XXXX ±.003-.015 毫米 XXXX 0.1-0.4	批准: jrupert 11-04-2011		名称	
	内圆角 英寸 .020 毫米 0.5 表面粗糙度 英制 125 米制 3.2	第三角投影		图纸格式发布日期 02-22-2008 图纸格式版本 F	
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