

PRODUCT INFORMATION PACKET

Model No: FH1038

Catalog No: FH1038

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



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Nameplate Specifications

Output HP	1/3 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	460 V
Current	0.9 A	Speed	825 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	60 °C
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
Connection Drawing	614131-043	Outline Drawing	FH1038-S01

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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:

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

EXTERNAL CONNECTION DIAGRAM

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

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

REGAL-BELOIT CORPORATION (RBC) PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE RBC DOES NOT RECEIVE ALL DATA CONCERNING THE USE AND APPLICATION OF THE MOTOR, THE SUITABILITY OF THE MOTOR FOR THE APPLICATION MUST BE DETERMINED BY THE CUSTOMER.

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

REV

ECO

REV BY

DATE

APPD

DATE

B

ECO-0024313

T.HUANG

02-14-2011

B.C.SHEN

02-14-2011

REV. ROT.

Ø5.70 [Ø144.8] MAX.

LEAD LENGTH

15°

GROUND LEAD (TERMINAL AT MOTOR MUST NOT PROTRUDE BEYOND MOTOR O.D.)

TOP OF NAMEPLATE (ADHESIVE)

TOP OF WARNING STICKER (ADHESIVE)

BLUE & PURPLE LEADS CONNECTED TOGETHER WITH CONNECTOR.

TOP OF CONSERVATIONIST LABEL (ADHESIVE)

USABLE FLAT

SLINGER

Ø5.000^{+0.0000}_{-0.0005}

Ø12.700^{+0.000}_{-0.013}

1.63±.06 [41.4±1.5]

12.05 [306.1]

5.61 [142.5]

6.44 [163.6]

.44 [11.2]

.453±.005 [11.51±.13] FLAT

90°±2°

.453±.005 [11.51±.13] FLAT

#8-32 NC-2A THD'S. EXT. STUDS ON A Ø5.147[Ø130.73] B.C. 90° APART

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

ENCLOSURE

MAIN FRAME - OLE

ENCLOSED

END FRAME - OLE

ENCLOSED

MAIN FRAME - LE

ENCLOSED

END FRAME - LE

OPEN

CUSTOMER

DISTRIBUTION SERVICES

DR BY:

APPD:

THIRD ANGLE PROJECTION

EDS DATE

FORMAT

REV

T.HUANG

B.C.SHEN

11-11-2011

G

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REGAL-BELOIT CORPORATION

DESCRIPTION

SIZE

SCALE

MODEL-RFHP-48FR OUTLINE

C

NONE

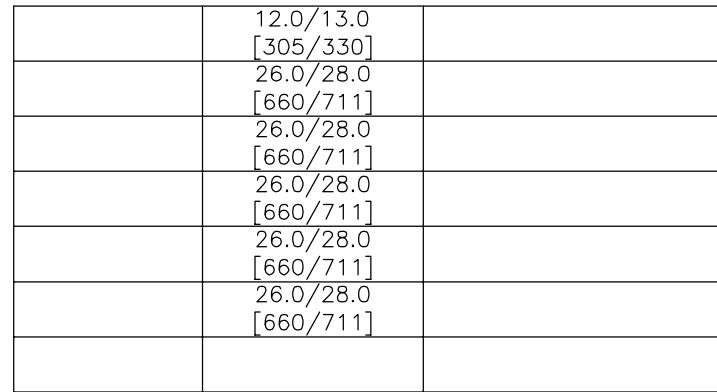
DWG NO

SHEET

FH1038

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DISTRIBUTION
SERVICES

形位公差	度
□ 平面	度
— 直线	度
∠ 倾斜	度
⊥ 垂直	度
// 平行	度
○ 圆	度
⊙ 圆柱	度
⌒ 圆弧	度
⌒ 轮廓	度
⌒ 轮廓	度
↗ 跳动	度
⊕ 位置	度
⊙ 同轴	度
≡ 对称	度

ASME Y14.5M 1994

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由客户自己决定。

未注公差尺寸仅供参考。

绘图:

T.HUANG

02-14-2011

批准:

B.C.SHEM

02-14-2011

第三角投影



1	图纸格式发布日期 11-11-2011
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图纸格式版本	G
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REGAL-BELOIT CORPORATION

名称	
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MODEL—RFHP—48FR
OUTLINE

图幅	
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C	图号
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FH1038

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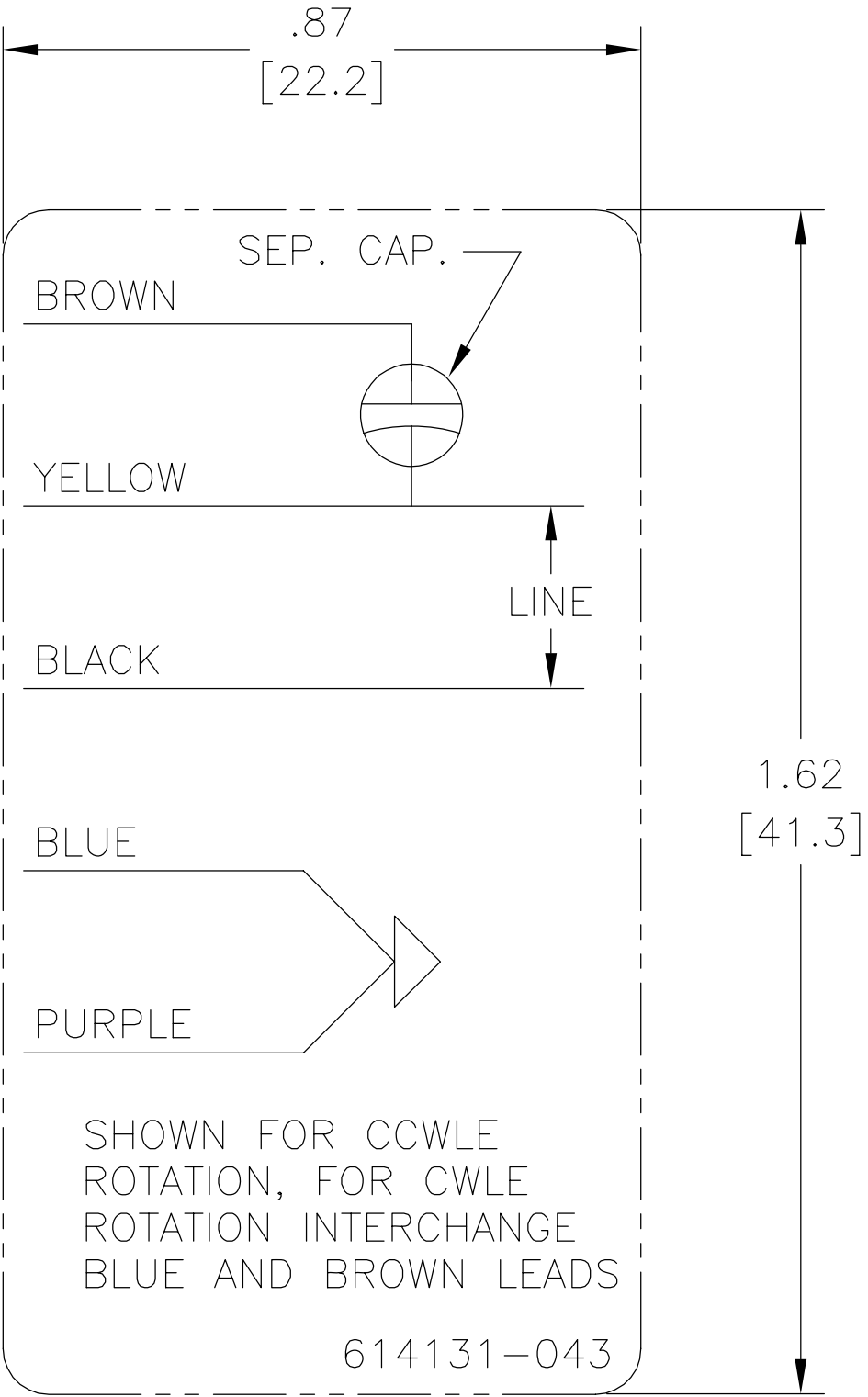
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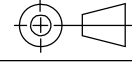
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REV	ECO	REV BY	DATE	APPD	DATE
F	ECO-0023184	jrupert	11-04-2011	jrupert	11-04-2011

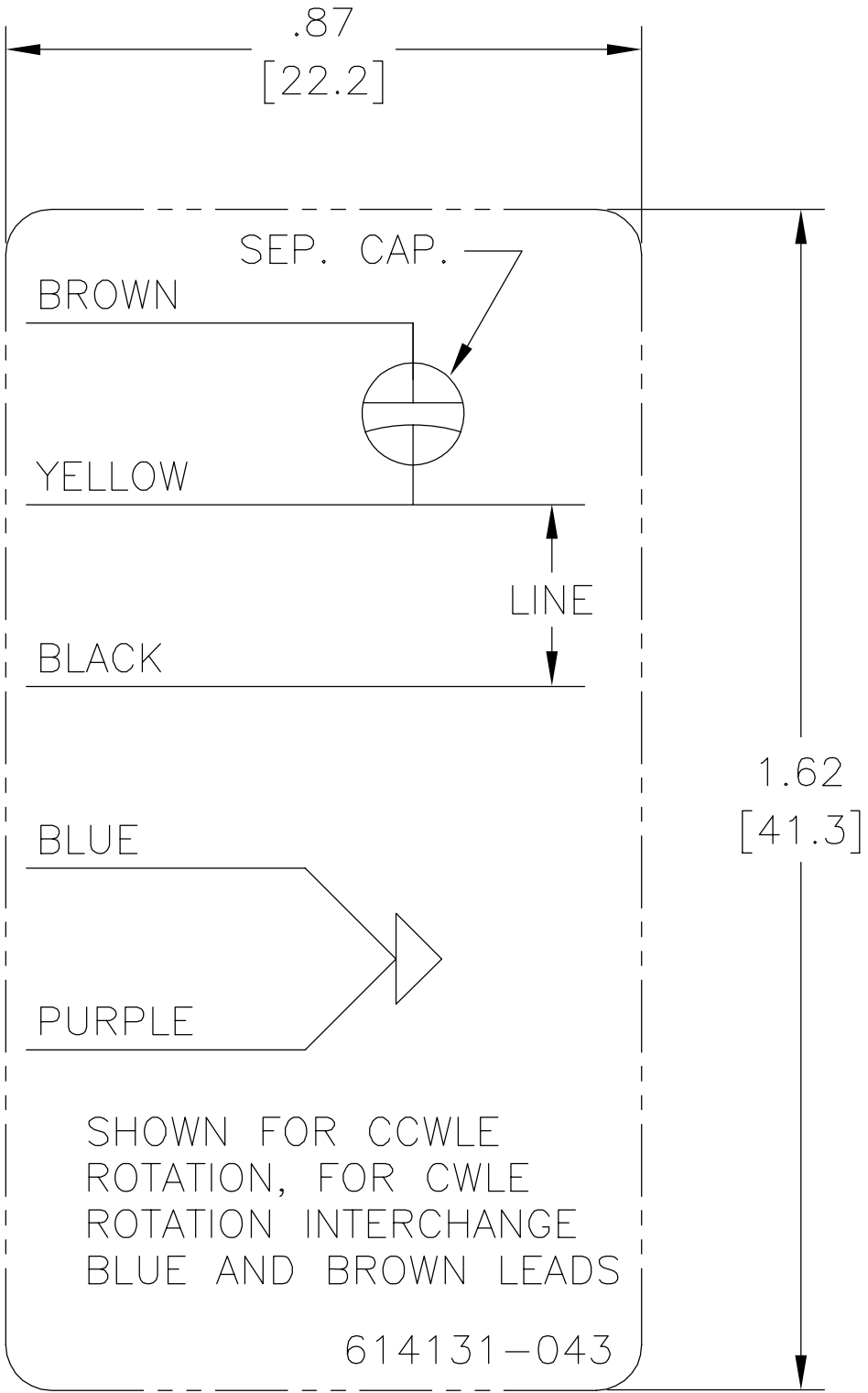
- NOTES:
- FOR USE WITH 614129 NAMEPLATE BLANK
 - -- —— INDICATES DIMENSION LIMITS
 - DIE TO BE MADE FROM MASTER SUPPLIED BY A. O. SMITH CORPORATION
 - DIE MUST PRODUCE A LEGIBLE IMPRESSION.


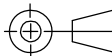


GEOMETRIC CHARACTERISTICS & SYMBOLS ∟ FLATNESS — STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY (SQUARENESS) // PARALLELISM ○ ROUNDNESS (CIRCULARITY) ⊘ CYLINDRICITY △ PROFILE OF ANY SURFACE ⌒ PROFILE OF ANY LINE ↑ RUNOUT ⊕ TRUE POSITION ◎ CONCENTRICITY ≡ SYMMETRY	UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES 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	<div> ELECTRICAL PRODUCTS COMPANY innovation has a name. A DIVISION OF A. O. SMITH CORPORATION</div>							
		APPD:	jrupert	11-04-2011								
		THIRD ANGLE PROJECTION 	EDS DATE	02-22-2008	DESCRIPTION CONN DIAGRAM NAMEPLATE							
			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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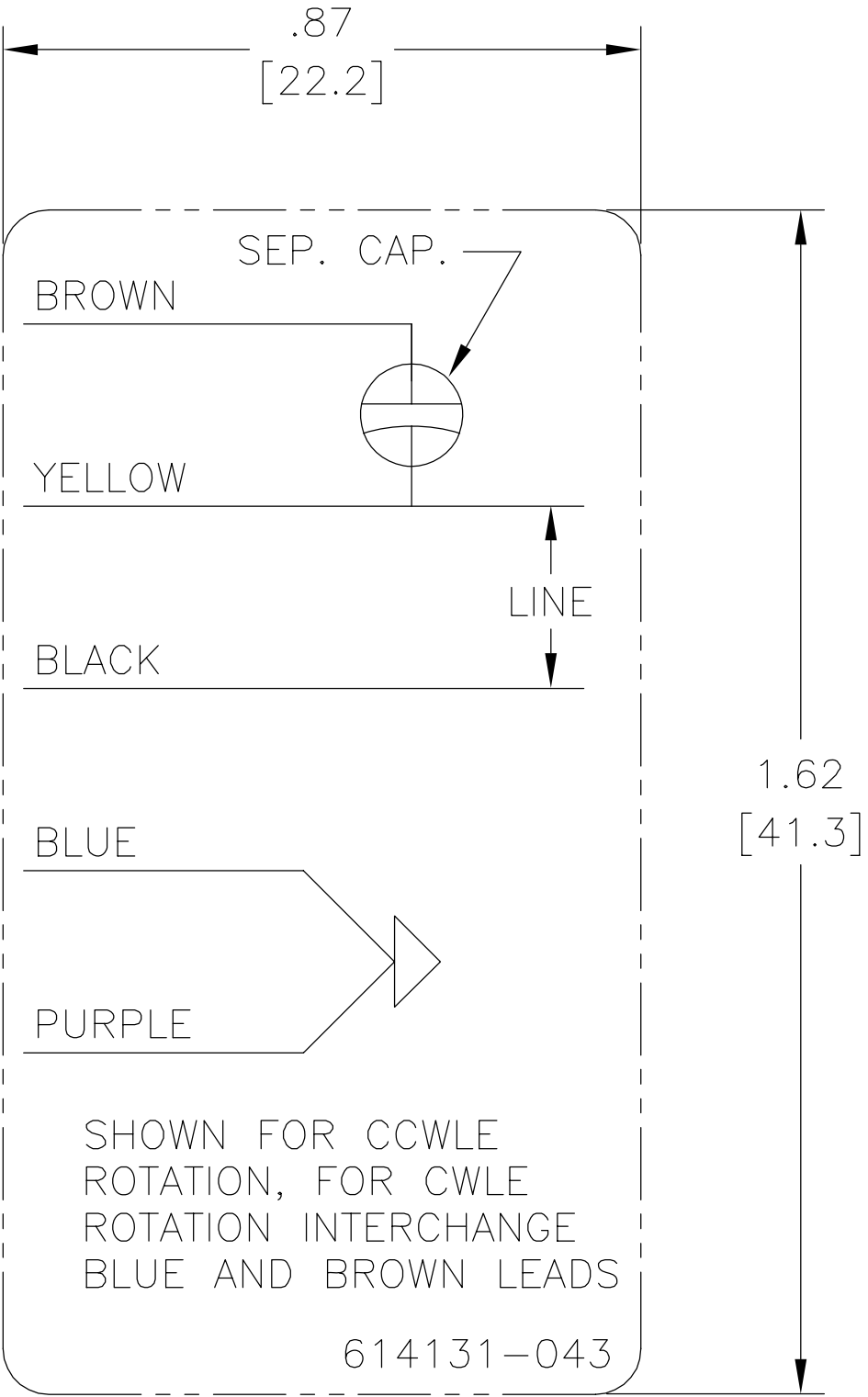


CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS ∇ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ⌀ CILINDRICIDAD ⌒ PERFIL DE CUALQUIER SUPERFICIE ⌒ PERFIL DE CUALQUIER LINEA ↑ VARIACION ⊕ POSICION REAL ◎ CONCENTRICIDAD = SIMETRIA	A MENOS QUE SE ESPECIFIQUE 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	<div>ELECTRICAL PRODUCTS COMPANY <small>innovation has a name.</small> <small>A DIVISION OF A. O. SMITH CORPORATION</small></div>		
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		TERCER ANGULO DE PROYECCION		FECHA EDS: 02-22-2008 REV. FORMATO: F	DESCRIPCION: CONN DIAGRAM NAMEPLATE	
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<div>形位公差</div> <div>□ 平面度</div> <div>— 直线度</div> <div>∠ 倾斜度</div> <div>⊥ 垂直度</div> <div>// 平行度</div> <div>○ 圆度</div> <div>⊙ 圆柱度</div> <div>⌒ 面轮廓度</div> <div>⌒ 线轮廓度</div> <div>↗ 圆跳动</div> <div>⊕ 位置度</div> <div>◎ 同轴度</div> <div>≡ 对称度</div>	<div>除另有注明</div> <div>尺寸公差如下:</div> <div>英寸 X XX XXX XXXX</div> <div>毫米 ±.1 ±.02 ±.005 ±.0005</div> <div>毫米 ±0.5 ±0.13 ±0.013</div> <div>角度 ±.50 度</div> <div>清理毛刺和尖棱</div> <div>英寸 .003-.015 毫米 0.1-0.4</div> <div>内圆角</div> <div>英寸 .020 毫米 0.5</div> <div>表面粗糙度</div> <div>英制 125 米制 3.2</div> <div>米制尺寸显示在[]</div>	绘图:	jrupert	11-04-2011	<div><div>ACSmith</div><div>innovation has a name.</div></div> <div>ELECTRICAL PRODUCTS COMPANY</div> <div>A DIVISION OF A. O. SMITH CORPORATION</div>						
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