

PRODUCT INFORMATION PACKET



Model No: FL1038

Catalog No: FL1038

Condenser Fan Motor, 1/3 HP, 1 Ph, 60 Hz, 115 V, 825 RPM, 1 Speed, 48 Frame, SEMI ENCL



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Nameplate Specifications

Phase	1	Output HP	1/3 Hp
Output KW	0.25 kW	Voltage	115 V
Speed	825 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	60 °C
Frequency	60 Hz	Current	4.8 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	11.74 in	Frame Length	4.25 in
Shaft Diameter	0.500 in	Shaft Extension	5.5 in
Connection Drawing	614131-043	Outline Drawing	11766-067-S01

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1

GENERAL INFORMATION:

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

BEARINGS: BALL

MOUNTING POSITION: HORIZONTAL OR VERTICAL SHAFT-UP

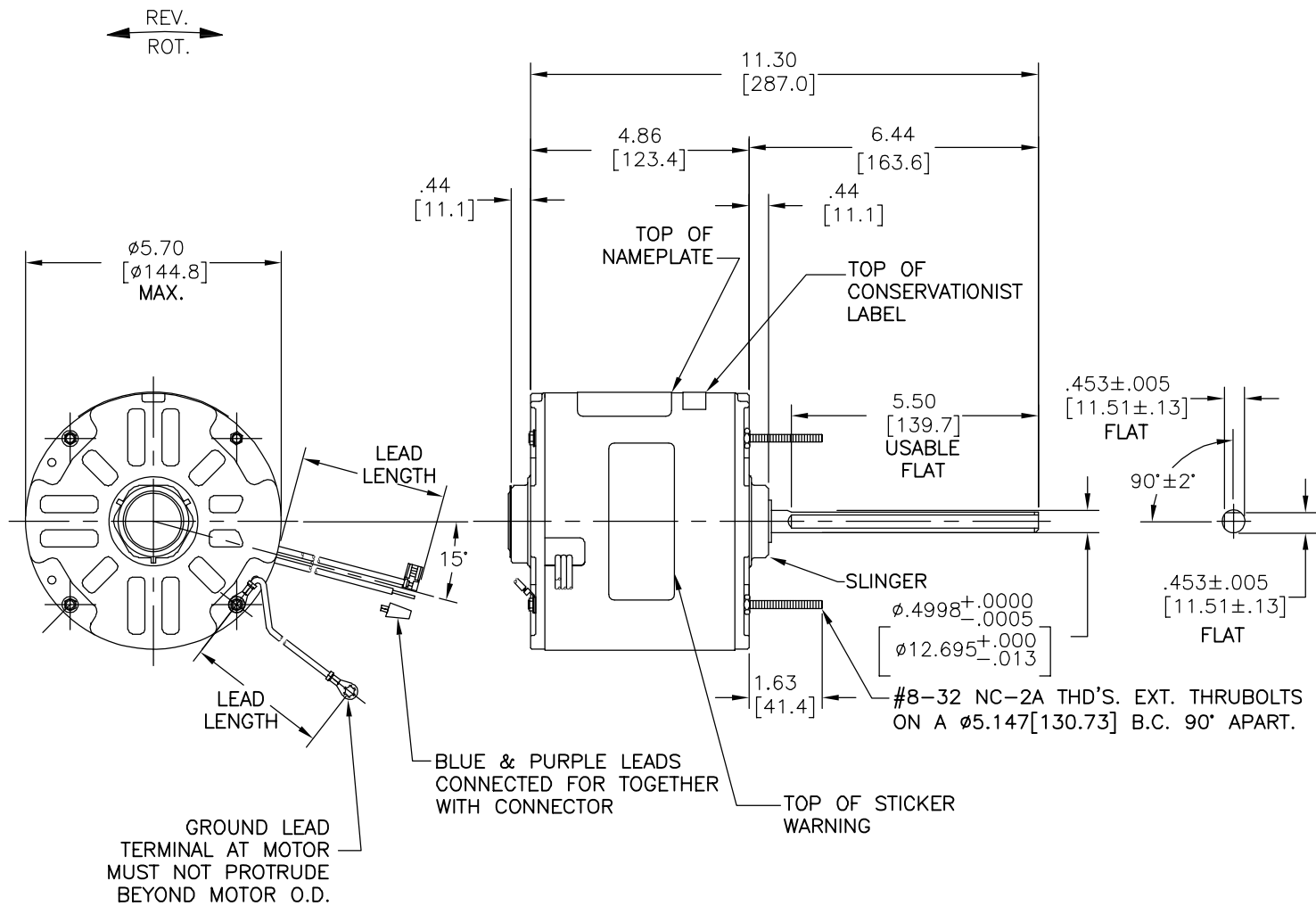
ELECTRICAL DATA:

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

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

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

REV	ECO	REV BY	DATE	APPD	DATE
B	0025548	I. ORTIZ	04-27-2012	D. BALDERRAMA	04-27-2012

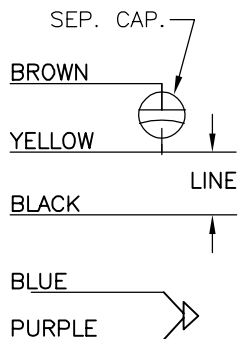


SEE NOTE 1

NAMEPLATE DATA:

EXTERNAL CONNECTION DIAGRAM

MODEL NO.: F48U73A01
CUST. P/N:
HP: 1/3
ROT.: REVERSIBLE
RPM: 825
TYPE: UF
FRAME: 48Y
VOLTS: 115
PH: 1
AMPS: 4.8
HZ: 60
INS.: B
AMB.: 60°C
DUTY: AIR OVER
CAP.: 7.5 MFD/370 V
ENCL: SEMI-ENCL
UL LOGO
CSA LOGO
THERMALLY PROTECTED



GREEN GROUND	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 [19.0] STRIP
BLACK	26.0/28.0 [660/711]	.75 [19.0] STRIP
PURPLE	26.0/28.0 [660/711]	.75 [19.0] STRIP
BLUE	26.0/28.0 [660/711]	.75 [19.0] STRIP
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

NOTES:

- DISTRIBUTION PART NUMBER: FL1038
GRAINGER PART NUMBER: 4MB71

MAIN FRAME - OLE	ENCLOSED
END FRAME - OLE	ENCLOSED
MAIN FRAME - LE	ENCLOSED
END FRAME - LE	OPEN

CUSTOMER	DISTRIBUTION SERVICE
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LEAD DATA

DR BY:	GORDON	05-28-2004
APPD:	PIATT	07-20-2004
THIRD ANGLE PROJECTION		EDS DATE 11-11-2011 FORMAT REV G

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DESCRIPTION	
MODEL-RFHP-48FR OUTLINE	
SIZE C	DWG NO 11766-067
SCALE NONE	SHEET 1

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

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DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

ASME Y14.5M 1994

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1

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版本ECO
B0025548

编制I. ORTIZ

日期04-27-2012

批准D. BALDERRAMA

日期04-27-2012

总技术要求:

轴跳动: .001[.03]/1[25.4]外伸轴

轴承:

安装位置: 水平或垂直 轴朝上

电气数据:

过载保护: 自动复位 (T. I. 7AM 036)

引线: 18# (美制标准), 厚.06[1.5] PVC 105 ° C 绝缘

接地线: 18# (美制标准), 厚.03[0.8]绿色绝缘

铭牌数据

外部数据线

MODEL NO.: F48U73A01
CUST. P/N:
HP: 1/3
ROT.: REVERSIBLE
RPM: 825
TYPE: UF
FRAME: 48Y
VOLTS: 115
PH: 1
AMPS: 4.8
HZ: 60
INS.: B
AMB.: 60°C
DUTY: AIR OVER
CAP.: 7.5 MFD/370 V
ENCL: SEMI-ENCL
UL LOGO
CSA LOGO
THERMALLY PROTECTED

SEP. CAP.

614131-043

性能曲线编号

转矩在825RPM

批准样品

UL部件

CSA

C32233

38.6 OZ. FT.

0442394B

E46412

PRGY2

LR43341

260-ø-0

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

ASME Y14.5M 1994

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绘图: GORDON
批准: PIATT
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05-28-2004
07-20-2004
图纸格式发布日期 11-11-2011
图纸格式版本 G

名称
MODEL-RFHP-48FR
OUTLINE

C

11766-067

图幅比例 NONE

图号

1

无引线端机壳
无引线端端盖
有引线端机壳
有引线端端盖

密封
密封
密封
开启

用户

DISTRIBUTION SERVICE

再反转
转向

ø5.70
[ø144.8]

11.30
[287.0]

4.86
[123.4]

6.44
[163.6]

.44
[11.1]

.44
[11.1]

5.50
[139.7]
有效扁伸

.453±.005
[11.51±.13]
扁伸

90°±2°

.453±.005
[11.51±.13]
扁伸

1.63
[41.4]

铭牌顶部

资源保护标贴顶部

甩水圈
ø.4998+.0000
-.0005
ø12.695+.000
-.013

警告标贴顶部

接地线（端子不能超出电机的外圆）

绿色（接地线）

棕/白

棕色

黑色

黄色

颜色

长度

端子或剥线长度

12.0/13.0
[305/330]

26.0/28.0
[660/711]

26.0/28.0
[660/711]

26.0/28.0
[660/711]

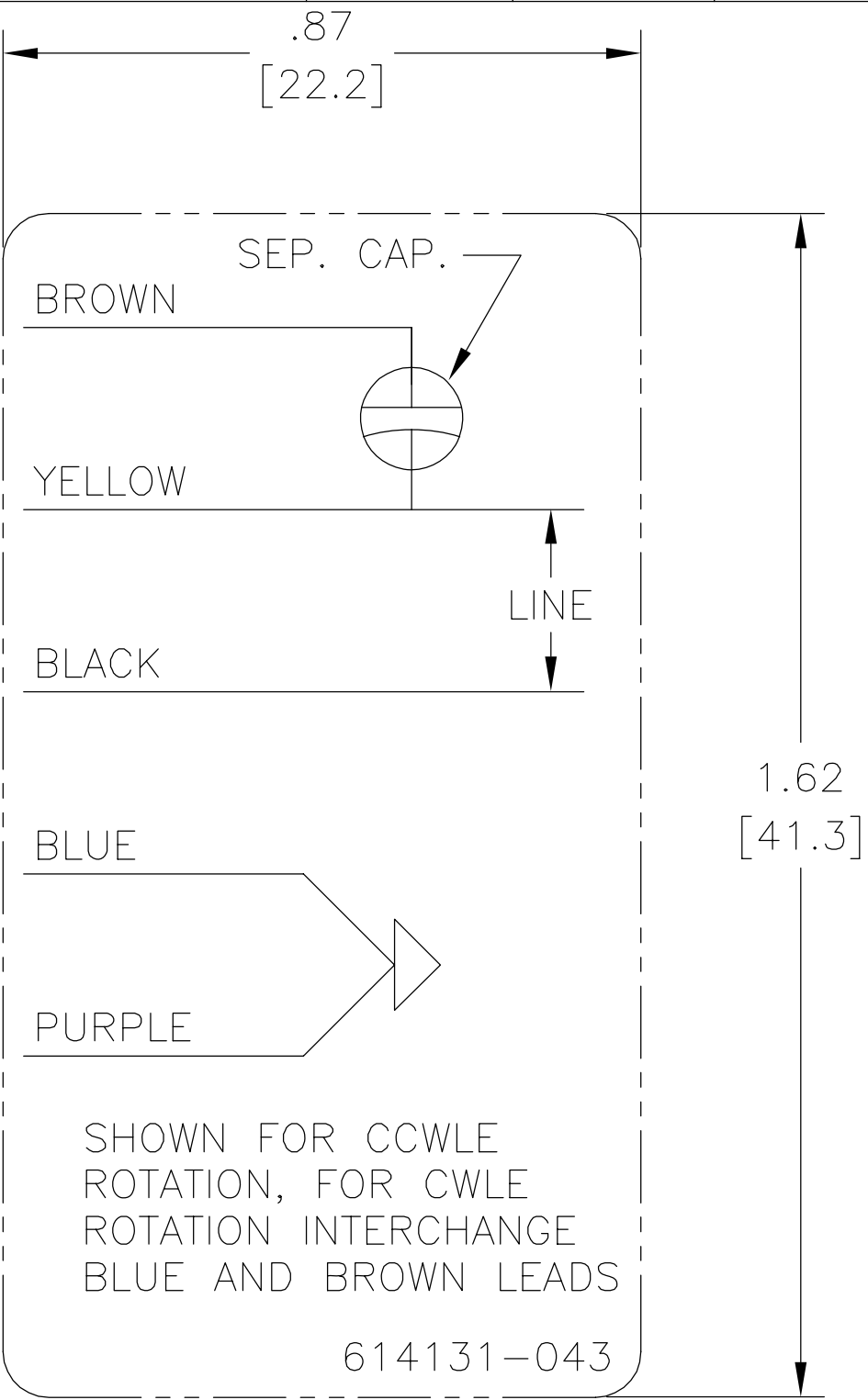
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[660/711]

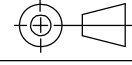
26.0/28.0
[660/711]

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F	ECO-0023184	jrupert	11-04-2011	jrupert	11-04-2011

NOTES:

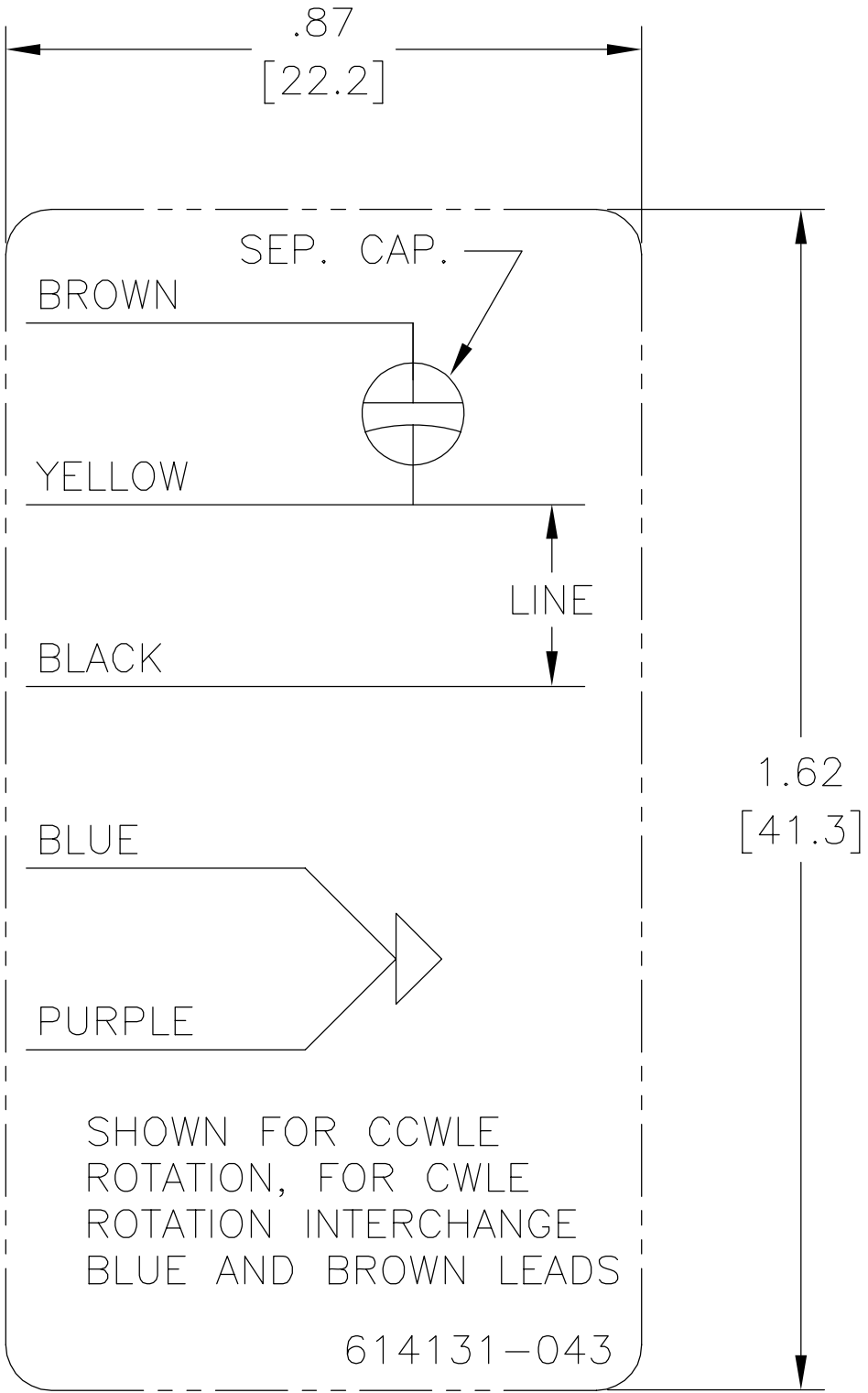
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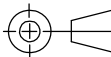


GEOMETRIC CHARACTERISTICS & SYMBOLS ∟ FLATNESS — STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY (SQUARENESS) // PARALLELISM ○ ROUNDNESS (CIRCULARITY) ⊘ CYLINDRICITY △ PROFILE OF ANY SURFACE ⌒ PROFILE OF ANY LINE ↑ RUNOUT ⊕ TRUE POSITION ◎ CONCENTRICITY ≡ SYMMETRY	UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES 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					
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						SCALE	NONE		

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
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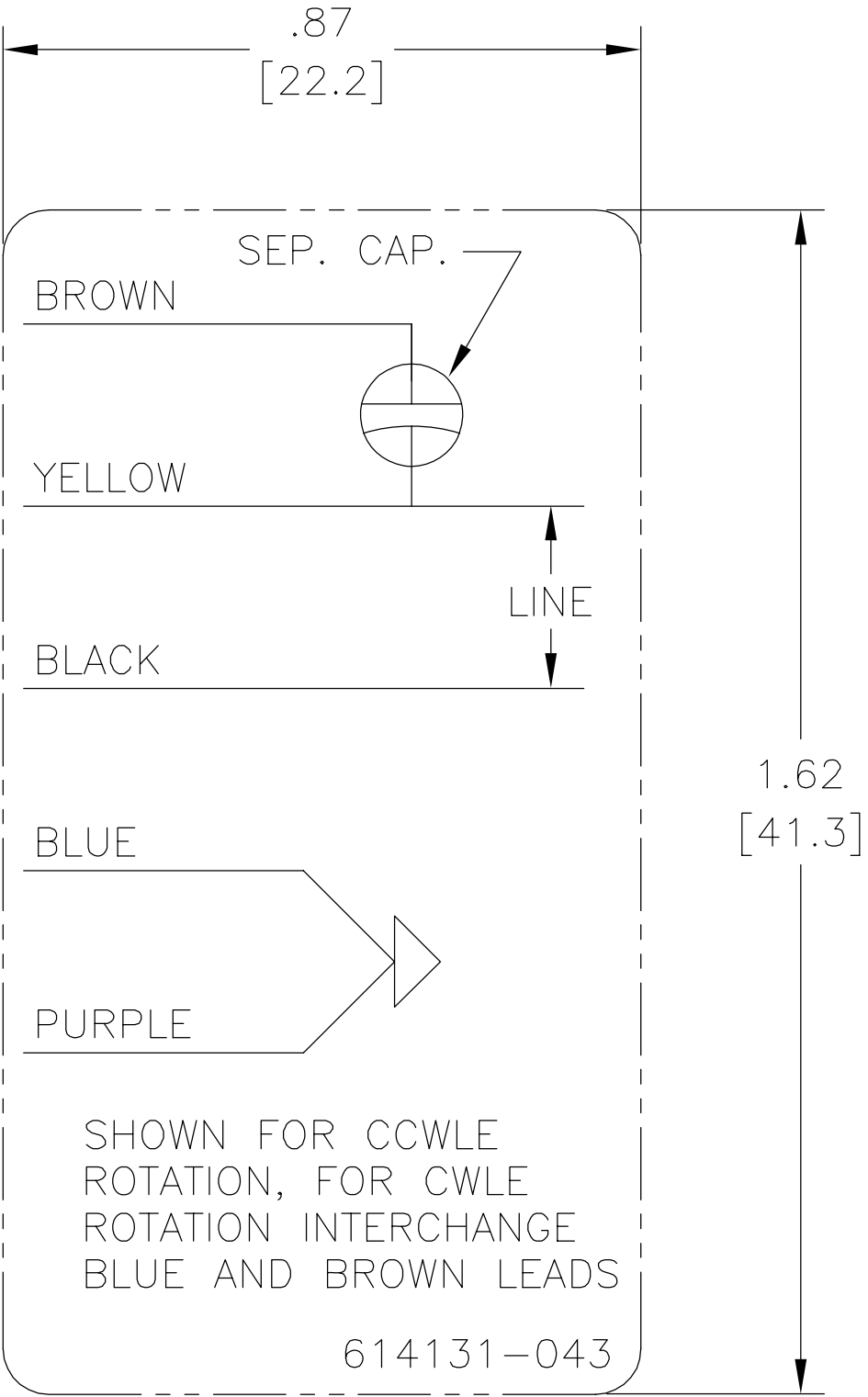


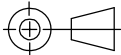
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		APROBADO POR: jrupert	11-04-2011			
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					ESCALA:NONE	

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形位公差 □ 平面度 — 一直线度 ∠ 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		 ELECTRICAL PRODUCTS COMPANY innovation has a name. 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 内圆角 英寸 .020 毫米 .5 表面粗糙度 英制 125 米制 3.2 米制尺寸显示在 []	批准: jrupert		11-04-2011		
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