

PRODUCT INFORMATION PACKET



Model No: 743A
Catalog No: 743A
1/6 HP OEM Replacement Motor, 825 RPM, 208-230 Volts, 48 Frame, TEAO
OEM Replacement Motors



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Nameplate Specifications

Output HP	1/6 Hp	Output KW	0.13 kW
Frequency	60 Hz	Voltage	208-230 V
Current	1.0 A	Speed	825 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48Y	Enclosure	Totally 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	Counterclockwise Lead End
Mounting	Extended Studs	Motor Orientation	Vertical Shaft Down
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	7.11 in	Frame Length	3.50 in
Shaft Diameter	0.500 in	Shaft Extension	2.52 in
Outline Drawing	F48Y72A01	Connection Drawing	614131-003

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GENERAL INFORMATION:

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

END PLAY: .010 TO .063 [.25 TO 1.60]

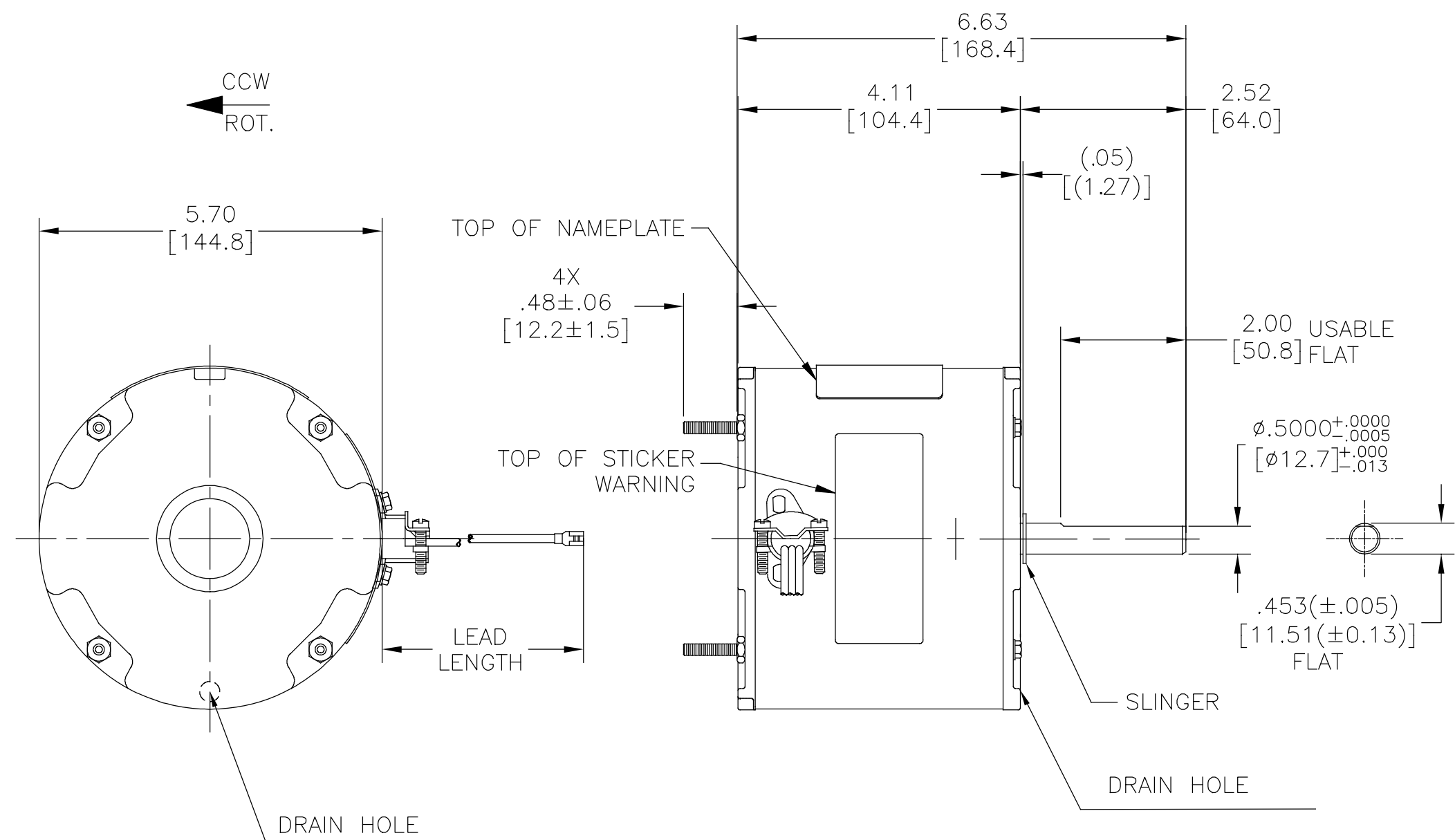
BEARINGS: SLEEVE

MOUNTING POSITION: VERTICAL SHAFT DOWN

ELECTRICAL DATA:

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

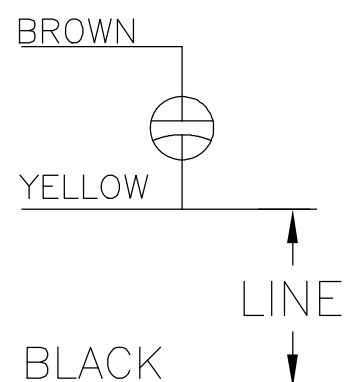
LEADS: NO. 18 GA., .06 [1.5] THK. PVC 105°C INSUL.



NAMEPLATE DATA:

MODEL NO.: F48Y72A01
 CUST. P/N: 743A
 HP: 1/6
 ROT.: CCWLE
 RPM: 825
 TYPE: UF
 FRAME: 48Y
 VOLTS: 208-230
 PH: 1
 AMPS: 1.0
 HZ: 60
 INS.: B
 AMB.: 60°C
 DUTY: AIR OVER
 CAP.: 5 MFD/370 V
 ENCL: ENCLOSED
 UL LOGO
 CSA LOGO
 THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM



614131-003

PERFORMANCE CURVE NO.	TORQUE @ 825 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
			FILE #	CCN #	FILE #	CLASS #
C32647	19.6 OZ. FT.	0601684B	E46412	PRGY2	LR43341	4211-01

COLOR	LENGTH	TERMINAL OR STRIP LENGTH
BLACK	70/74	.25 FEMALE SPADE
YELLOW	70/74	.25 FEMALE SPADE
BROWN	70/74	.25 FEMALE SPADE

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DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

MAIN FRAME - OLE	ENCLOSED
END FRAME - OLE	ENCLOSED (DRAIN HOLE)
MAIN FRAME - LE	ENCLOSED
END FRAME - LE	ENCLOSED

CUSTOMER	DISTRIBUTION

DRAWING REVISION	REVISION BY	DATE
E	JERRY CHAI	12-04-2018
ECO	SARA HELTON	12-04-2018

ECO-0157039
 APPROVED BY: SARA HELTON
 DATE: 12-04-2018
 ECO DESCRIPTION: SEE ECO

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DRAWN BY:	DATE:
CADDIE.ZHOU	06-07-2018
APPROVED BY:	DATE:
SARA HELTON	06-07-2018

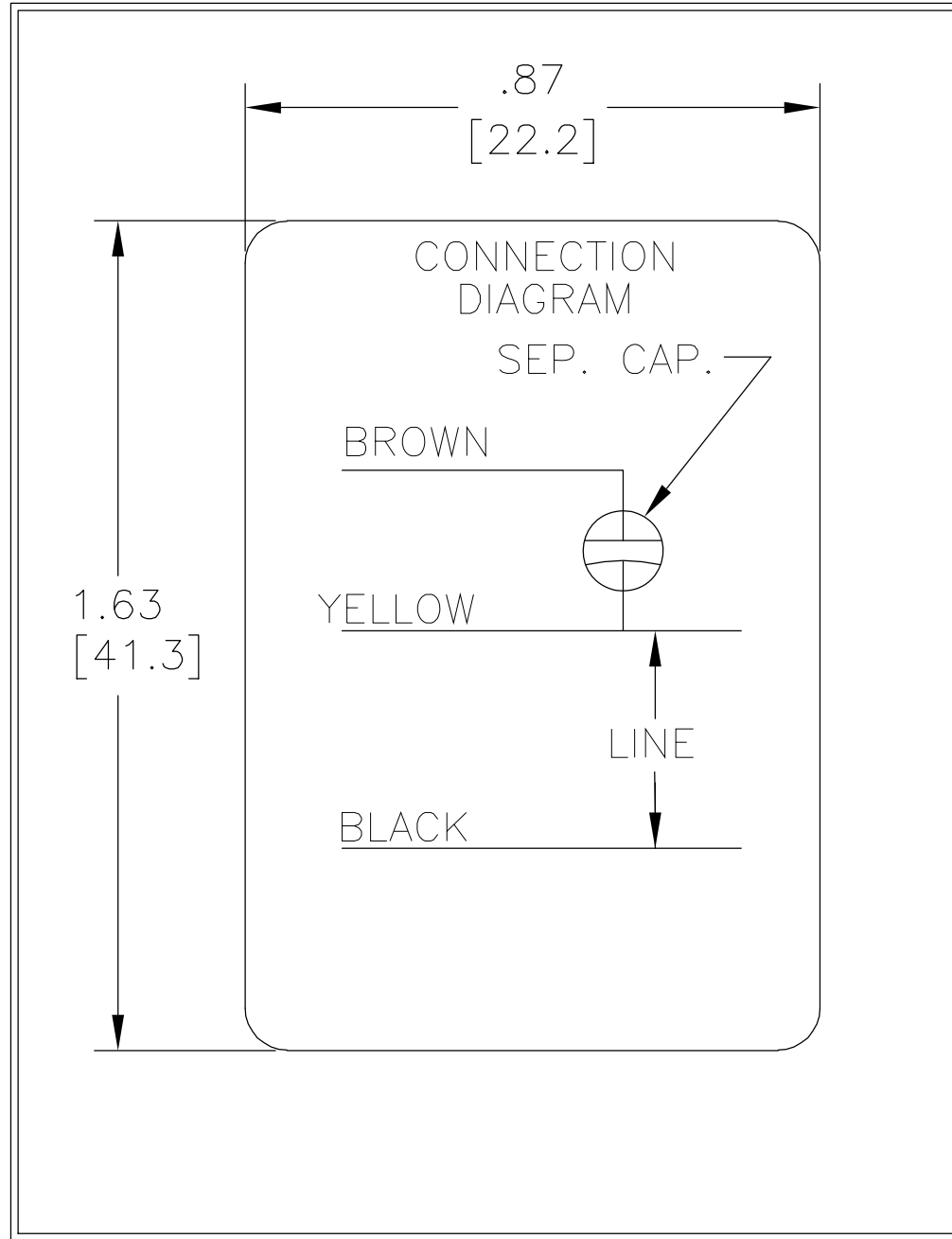
REGAL™ Regal Beloit America, Inc.

DESCRIPTION: MODEL-RFHP-48FR OUTLINE

MATERIAL: -

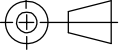
THIRD ANGLE PROJECTION	SIZE	DWG NO	SHEET
⊕	C	F48Y72A01	1


REV	ECO	REV BY	DATE	APPD	DATE
A	0017050	VICTOR MIJARES	03-01-2011	CCONTRERAS	03-01-2011



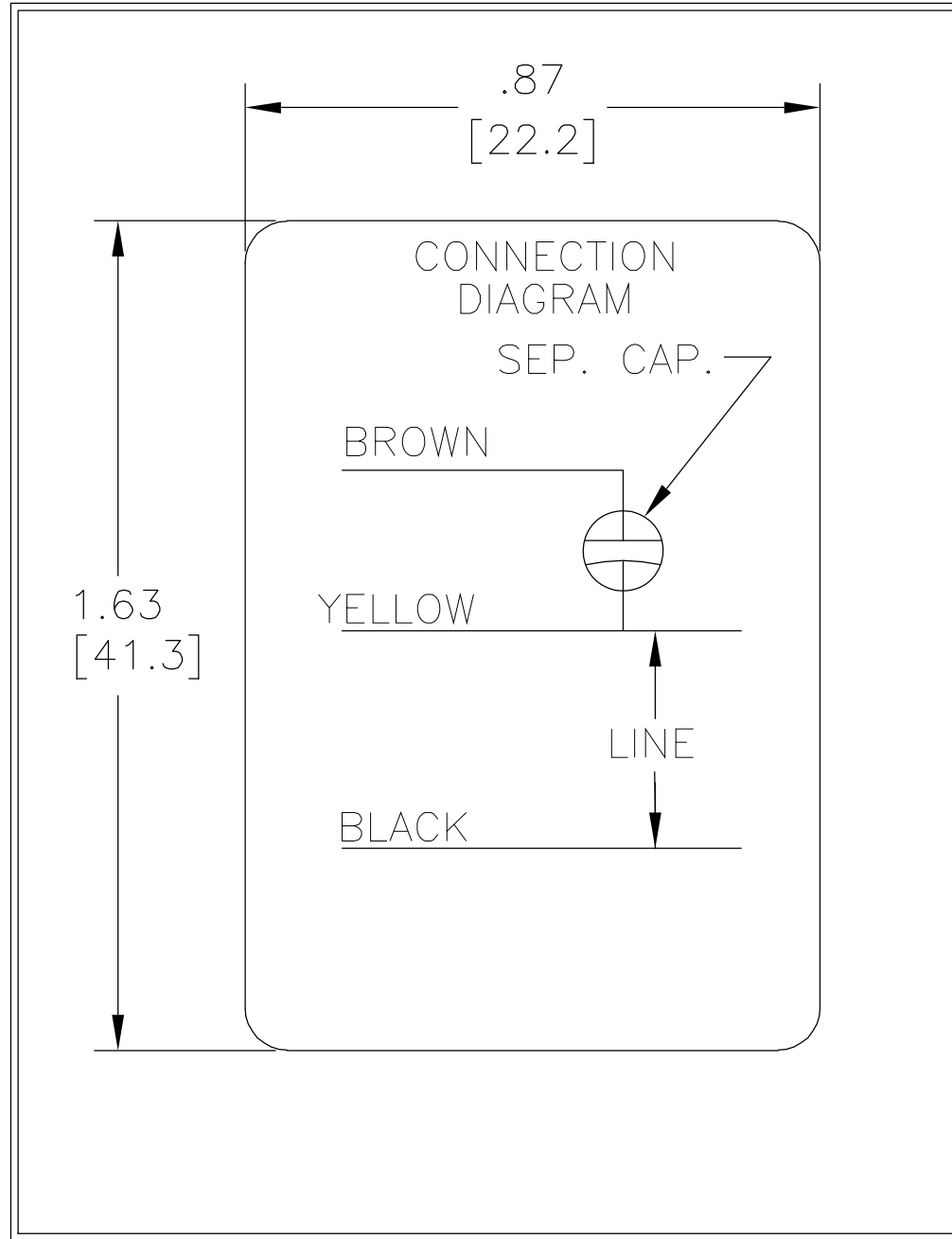
GEOMETRIC CHARACTERISTICS & SYMBOLS
 ▭ FLATNESS
 — STRAIGHTNESS
 < ANGLARITY
 ⊥ PERPENDICULARITY (SQUARENESS)
 // PARALLELISM
 ○ ROUNDNESS (CIRCULARITY)
 ∅ CYLINDRICITY
 △ PROFILE OF ANY SURFACE
 ∩ PROFILE OF ANY LINE
 ↑ RUNOUT
 ⊕ TRUE POSITION
 ⊙ CONCENTRICITY
 = SYMMETRY

UNLESS OTHERWISE SPECIFIED
 DIM. TOLERANCES ARE AS FOLLOWS:
 INCH X XX XXX XXXX
 ±.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: N.LONG 07/14/1986
 APPD:
 THIRD ANGLE PROJECTION  EDS DATE 02-22-2008
 FORMAT REV F
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 ELECTRICAL PRODUCTS COMPANY <small>INNOVATION HAS A NAME. A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPTION CONN DIAGRAM-NAMEPLATE	
SIZE A	DWG NO 614131-003
SCALE NONE	SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	0017050	VICTOR MIJARES	03-01-2011	CCONTRERAS	03-01-2011



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.

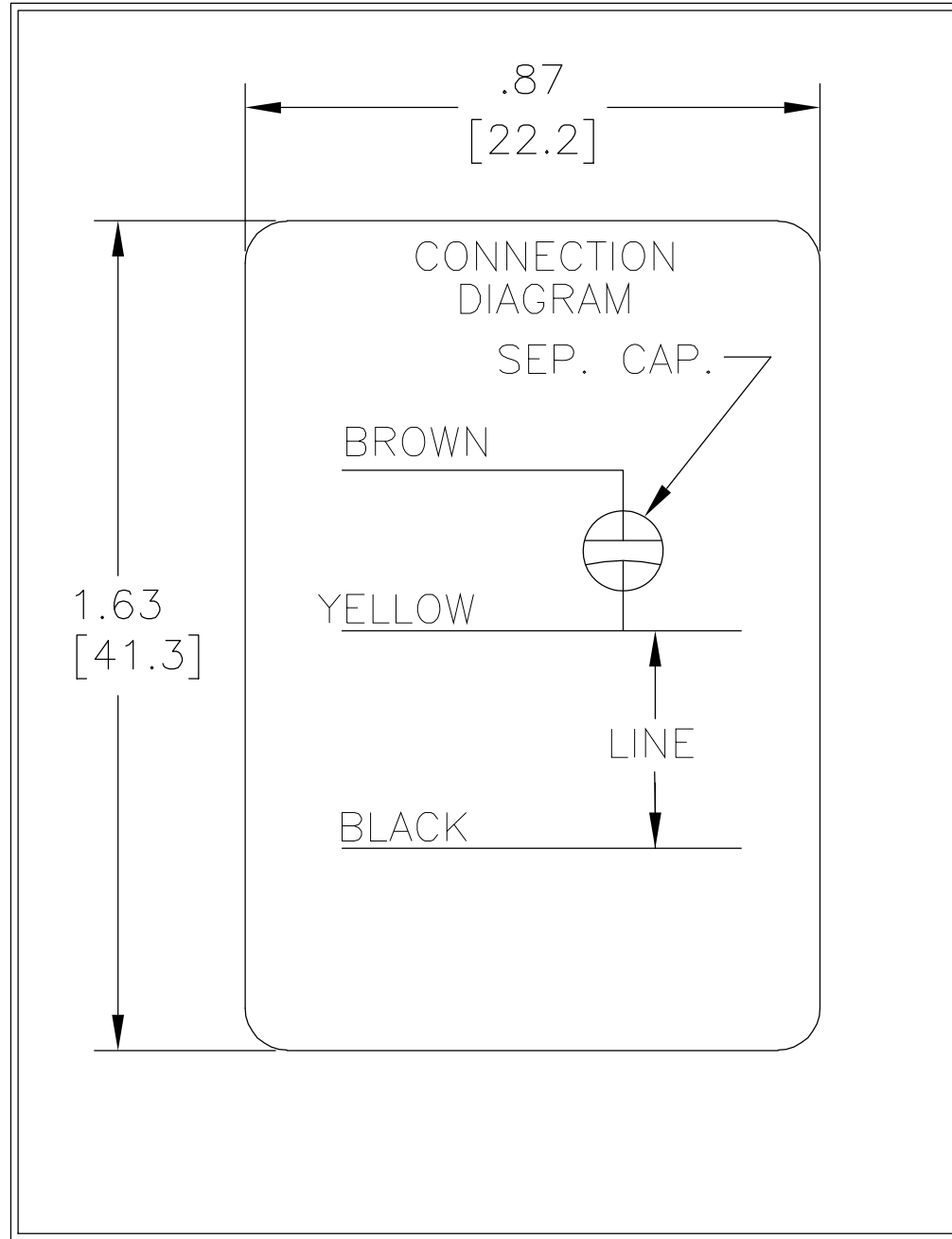
PULG .003-.015 mm 0.1-0.4
 FILETEAR ESQUINA: PULG .020 mm 0.5
 MAQUINAR SUPERFICIES
 PULG 125 mm 3.2

DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR:	N.LONG	07/14/1986
APROBADO POR:		
TERCER ANGULO DE PROYECCION		FECHA EDS: 02-22-2008 REV. FORMATO: F
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ESCALA: NONE			HOJA: 1

版本	ECO	编制	日期	批准	日期
A	0017050	VICTOR MIJARES	03-01-2011	CCONTRERAS	03-01-2011



- 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:	N.LONG	07/14/1986
批准:		
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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图幅	A	图号	614131-003
比例	NONE	页号	1