

PRODUCT INFORMATION PACKET



Model No: 992A
Catalog No: 992A

OEM Replacement Motor, 1/2 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 1 Speed, 48 Frame, SEMI ENCL



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Nameplate Specifications

Phase	1	Output HP	1/2 Hp
Output KW	0.37 kW	Voltage	208-230 V
Speed	1075 rpm	Service Factor	1.0
Frame	F48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	4.2 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	6	Rotation	Reversible
Mounting	Resilient Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	10.20 in	Frame Length	6.13 in
Shaft Diameter	0.500 in	Shaft Extension	2.77 in
Outline Drawing	992A-S01	Connection Drawing	D0000313-011

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3

2

1

INFORMACION GENERAL:

OSCILACION DE FLECHA: .001 [.03] T.I.R. PER INCH LENGTH OF EXTENSION

BALEROS: BALERO

POSICION DEL MONTAJE: TODOS LOS ANGULOS

INFORMACION ELECTRICA:

PROTECTOR DE SOBRECARGA: REINICIO AUTOMATIC (T.I. 7AM 036)

CABLES: NO. 18 GA., .06 [1.5] THK. PVC 105°C AISLAM.

CABLE DE TIERRA: NO. 18 GA., .03 [.8] THK. (VERDE/AMARILLO) AISLAM.

INFORMACION DE ETIQUETA:

MODEL NO.: F48Z75A01
CUST. P/N: 992A
HP: 1/2
ROT.: REVERSIBLE
RPM: 1075
TYPE: UF
FRAME: 48Y
VOLTS: 208-230
PH: 1
AMPS: 4.2
HZ: 60
INS.: B
AMB.: 40° C
DUTY: AIR OVER
CAP.: 7.5 MFD/370 V
ENCL: SEMI-ENCL.
UL LOGO
CSA LOGO
THERMALLY PROTECTED

DIAGRAMA DE CONEXION EXTRNA

BLACK

PURPLE

BROWN

WHITE

YELLOW

L2

A

L1

CWLE ROTATION

SHOWN FOR CWLE ROTATION, FOR CCWLE INTERCHANGE BROWN AND YELLOW LEADS

614131-377

CURVAS DE FUNCIONAMIENTO

TORSION @ 1075 RPM (25°C)

MUESTRA APROBADA

COMPONENTE UL

CSA

C32738

58.0 OZ. FT.

0604224A

E46412

PRGY2

LR43341

4211-01

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS

A.O. SMITH PROVEE ASISTENCIA TECNICA A NUESTROS CLIENTES EN VARIAS AREAS. DESDE QUE A.O. SMITH NO RECIBE TODOS LOS DATOS EN RELACION AL USO Y A LA APLICACION DEL MOTOR, LA APLICACION ADECUADA DEL MOTOR DEBE SER DETERMINADA POR EL CLIENTE.

DIMENSIONES SIN TOLERANCIA SON DE REFERENCIA SOLAMENTE

DIBUJADO POR: AMY

07-17-2007

APROBADO POR:

TERCER ANGULO DE PROYECCION

FECHA EDS: 11-11-2011

REV. FORMATO: G

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REGAL-BELOIT CORPORATION

DESCRIPCION: MODEL-RFHP-48FR OUTLINE

TAMAÑO: C

NUMERO DE DIBUJO: 992A

ESCALA: NONE

HOJA: 1

REVISION: ECO

ECO-0024185

REVISADO POR: jrupert

FECHA: 02-01-2012

APROBADO POR: jrupert

FECHA: 02-01-2012

REV. ROT.

Ø5.70 [Ø144.8]

3.50±.06 [88.9±1.5]

.09 [2.3]

PARTE SUPERIOR PLACA DE DATOS (ADHESIVA)

PARTE SUPERIOR DE LA ETIQUETA DE ADVERTENCIA (ADHESIVA)

10.20 [259.1]

6.96 [176.9]

2.77 [70.4]

.47 [11.9]

1/2-14 NPT CON TAPON

.41 [10.5]

(4X) ROSCAS #8-32 NC-2A IGUALMENTE ESP. A UN DIAM. ENTRE CENTROS DE Ø5.15 [Ø130.8]

2.00 [50.8]

PLANO UTILIZABLE

Ø.5000+-.0000-.0004

Ø12.700+-.000-.010

ARANDELA DE HULE EXT.

1.10±.06 [27.9±1.5]

.453±.005 [11.51±.13] PLANO

2.42 [61.6]

3.00 [76.2]

MARCAR ORIFICIO

3.13 [79.5]

1.99 [50.5]

3.98 [101.1]

6.50 [165.1]

4X .343 [8.71]

4X R.17 [R4.3]

4X .89 [22.7]

7.167 [182.04]

VERDE/AMARILLO (TIERRA)	CONECTADO A LA BASE	OJAL #10
CAFE	CONECTADO AL CAPACITOR	.25 [6.4] BANDERA
CAFE	CONECTADO AL CAPACITOR	.25 [6.4] BANDERA
NEGRO	5.0/7.0 [127/178]	.25 [6.4] BANDERA
PURPURA	5.0/7.0 [127/178]	.25 [6.4] BANDERA
CAFE	5.0/7.0 [127/178]	.25 [6.4] BANDERA
BLANCO	5.0/7.0 [127/178]	.25 [6.4] BANDERA
AMARILLO	5.0/7.0 [127/178]	.25 [6.4] BANDERA
COLOR	LONGITUD	TERMINAL O LONGITUD DE DESFORRE

CARCASA - LOC	SEMI-ENCERRADO
TAPA - LOC	ABIERTA
CARCASA - LC	ENCERRADO
TAPA - LC	ENCERRADO

CLIENTE	DISTRIBUTION SERVICE
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4 of 8

4

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2

1

总技术要求:

轴跳动: .001[.03]/1[25.4]外伸轴

轴承: 球轴承

安装位置: 全方位

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

MODEL NO.: F48Z75A01
CUST. P/N: 992A
HP: 1/2
ROT.: REVERSIBLE
RPM: 1075
TYPE: UF
FRAME: 48Y
VOLTS: 208-230
PH: 1
AMPS: 4.2
HZ: 60
INS.: B
AMB.: 40° C
DUTY: AIR OVER
CAP.: 7.5 MFD/370 V
ENCL: SEMI-ENCL.
UL LOGO
CSA LOGO
THERMALLY PROTECTED

BLACK — L2
PURPLE — A
BROWN —
WHITE — L1
YELLOW —
CWLE ROTATION

SHOWN FOR CWLE
ROTATION, FOR CCWLE
INTERCHANGE BROWN
AND YELLOW LEADS

性能曲线编号

转矩在 @ 1075 RPM
(25° C)

批准样品

UL部件

CSA

C32738

58.0 OZ. FT.

0604224A

E46412

PRGY2

LR43341

4211-01

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

版本

ECO

编制

jrupert

日期

02-01-2012

批准

jrupert

日期

02-01-2012

可逆
转向

10.20
[259.1]

6.96
[176.9]

2.77
[70.4]

.47
[11.9]

1/2-14 NPT
带插销

.41
[10.5]

2.00
[50.8]

有效扁伸

抛油圈

1.10±.06
[27.9±1.5]

453±.005
[11.51±.13]
扁伸

2.42
[61.6]

3.00
[76.2]

3.13
[79.5]

1.99
[50.5]

3.98
[101.1]

6.50
[165.1]

4X .343
[8.71]

4X R.17
[R4.3]

4X .89
[22.7]

7.167
[182.04]

3.50±.06
[88.9±1.5]

φ5.70
[φ144.8]

.09
[2.3]

φ.5000^{+.0000}_{-.0004}
φ12.700^{+.000}_{-.010}

编号8-32 NC-2A螺
纹 在Ø5.15
[Ø130.8]圆上 4个
螺栓 伸出处均布
每端)

铭牌顶部

警告标贴顶部

标记孔

绿色 (接地线)

#10 带环线

棕

.25 [6.4] 旗形插

棕

.25 [6.4] 旗形插

黑

5.0/7.0
[127/178]

.25 [6.4] 旗形插

紫

5.0/7.0
[127/178]

.25 [6.4] 旗形插

棕

5.0/7.0
[127/178]

.25 [6.4] 旗形插

白

5.0/7.0
[127/178]

.25 [6.4] 旗形插

蓝

5.0/7.0
[127/178]

.25 [6.4] 旗形插

颜色

长度

端子或剥线长度

无引线端机壳

无引线端端盖

有引线端机壳

有引线端端盖

开放

密封

密封

密封性

用户

DISTRIBUTION
SERVICE

绘图: AMY

批准:

第三角投影

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07-17-2007

图纸格式发布日期 11-11-2011

图纸格式版本 G

名称

图幅 C

图号

比例

MODEL-RFHP-48FR
OUTLINE

992A

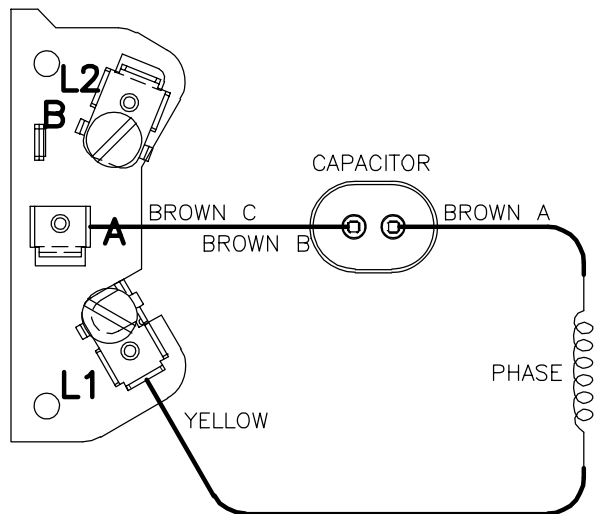
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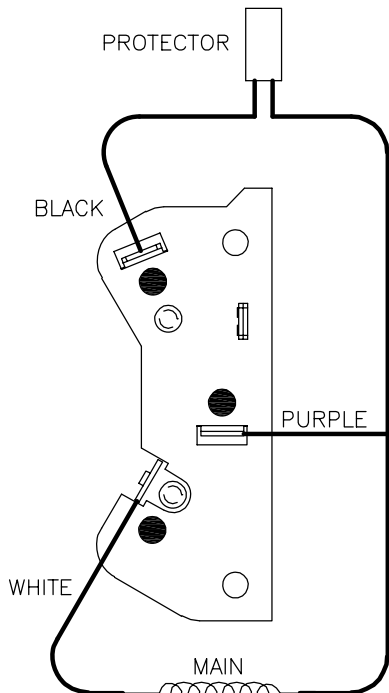
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REV	ECO	REV BY	DATE	APPD	DATE
B	0024318	W.CORTEZ	02-13-2012	J. DE LUNA	02-13-2012

CWLE ROTATION

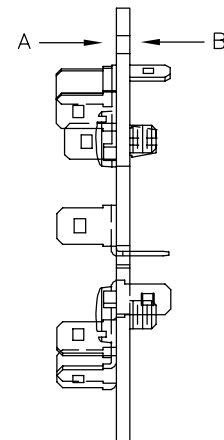
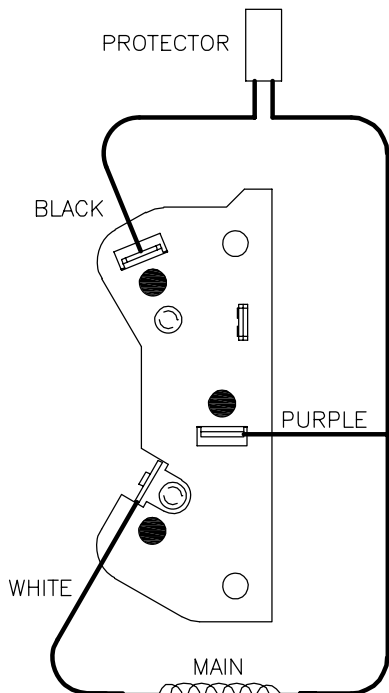
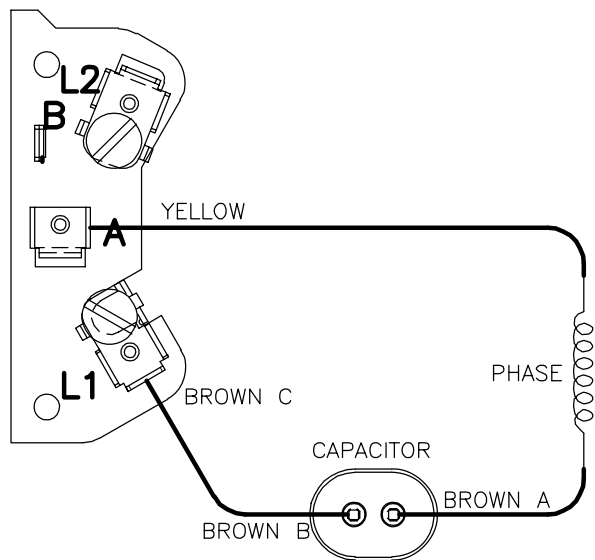


VIEW A



VIEW B

CCWLE ROTATION



NOTES:
1.SEE OUTLINE FOR CONNECTING ROTATION.

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

UNLESS OTHERWISE SPECIFIED
DIM. TOLERANCES ARE AS FOLLOWS:
INCH X XX XXX XXXX
mm ±0.1 ±0.02 ±0.005 ±0.0005
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
APPD: JRUPERT
THIRD ANGLE PROJECTION
EDS DATE 11-11-2011
FORMAT REV G
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REGAL-BELOIT CORPORATION
DESCRIPTION
CONN DIAGRAM-EXTERNAL
SIZE C DWG NO D0000313-011
SCALE NONE SHEET 1

4

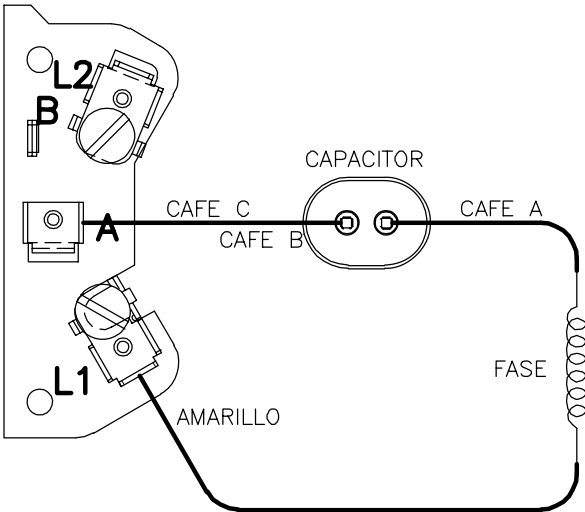
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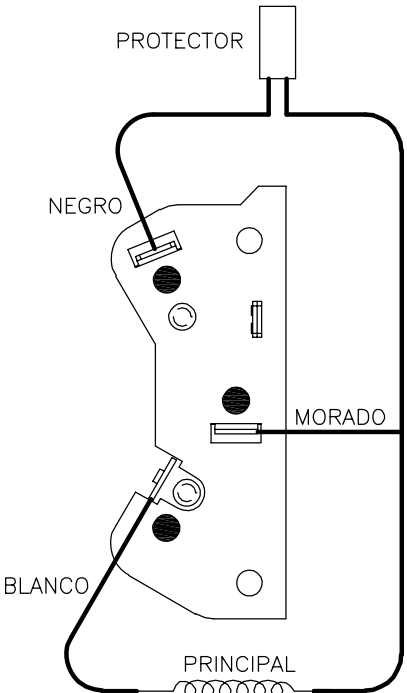
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0024318	W.CORTEZ	02-13-2012	J. DE LUNA	02-13-2012

ROTACION CWLE

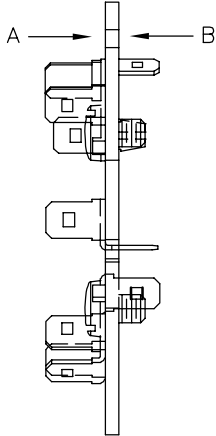
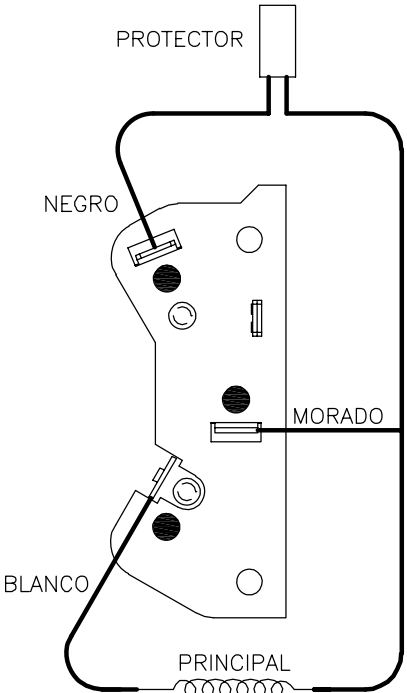
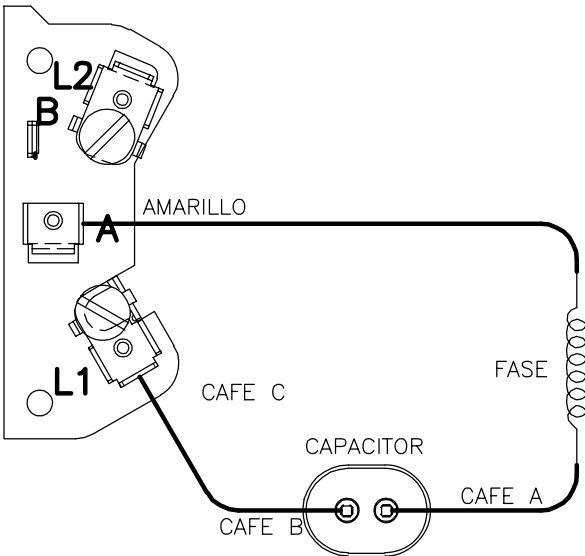


VISTA A



VISTA B

ROTACION CCWLE



NOTAS:
1.VER DIBUJO DE ENSAMBLE FINAL PARA CONEXION DE ROTACION.

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

ASME Y14.5M 1994

A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS: SON LAS SIGUIENTES:
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
APROBADO POR: JRUPERT
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02-06-2012
02-06-2012
FECHA EDS: 11-11-2011
REV. FORMATO: G
DESCRIPCION: CONN DIAGRAM-EXTERNAL
TAMAÑO: C
NUMERO DE DIBUJO: D0000313-011
ESCALA: NONE
HOJA: 1



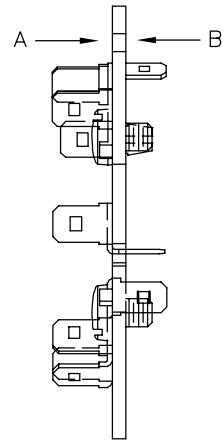
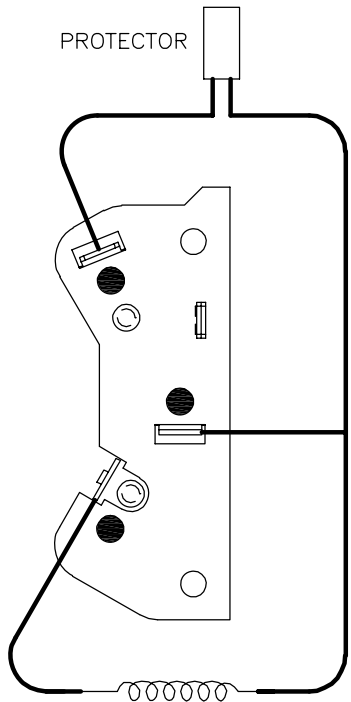
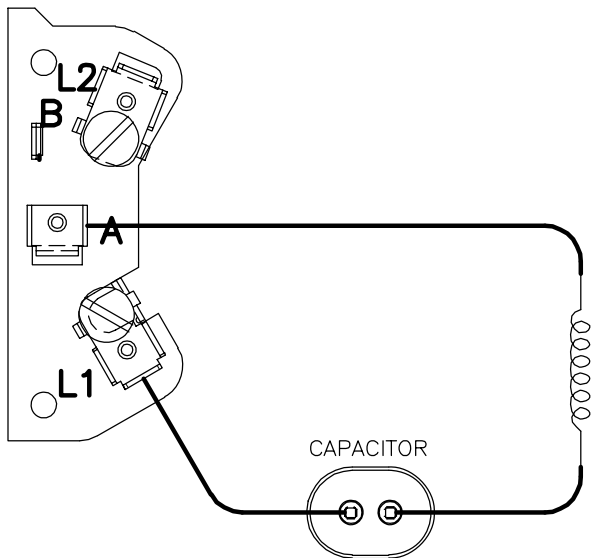
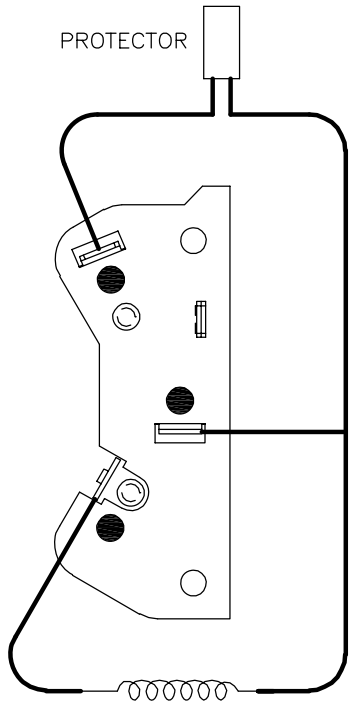
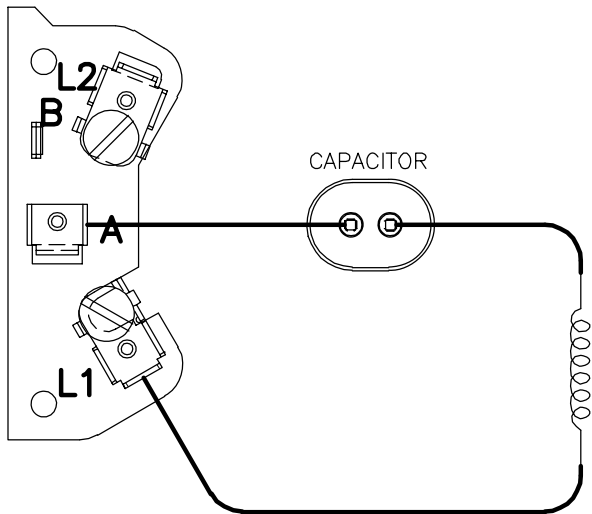
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3

2

1

版本	ECO	编制	日期	批准	日期
B	0024318	W.CORTEZ	02-13-2012	J. DE LUNA	02-13-2012



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:
英寸 X XX XXX XXXX
毫米 ±.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:	JRUPERT	02-06-2012
批准:	JRUPERT	02-06-2012
第三角投影	⊕	图纸格式发布日期 11-11-2011 图纸格式版本 G
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名称 CONN DIAGRAM-EXTERNAL		
图幅 C	图号 D0000313-011	比例 NONE
页号 1		