

PRODUCT INFORMATION PACKET



Model No: 056B17DRR70035A1

Catalog No: C181B

General Purpose Motor, 1 HP, 1 Ph, 60 Hz, 115/208-230 V, 1800 RPM, 56 Frame, DP

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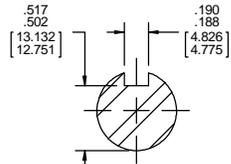
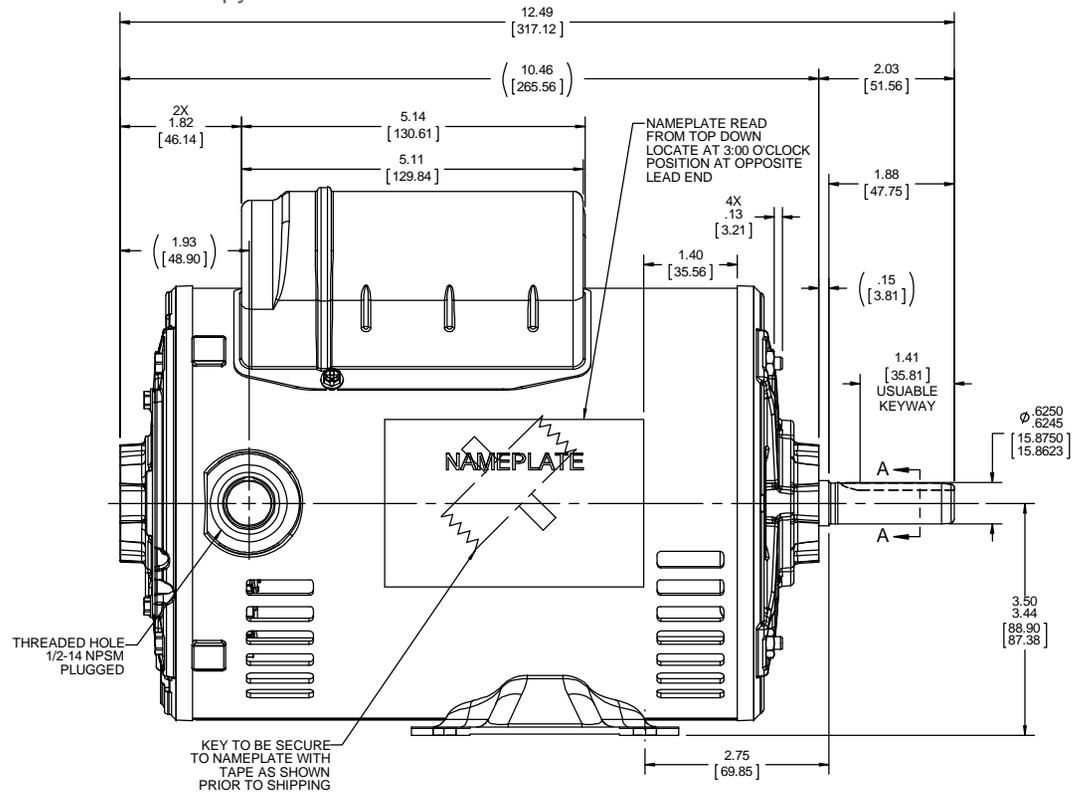
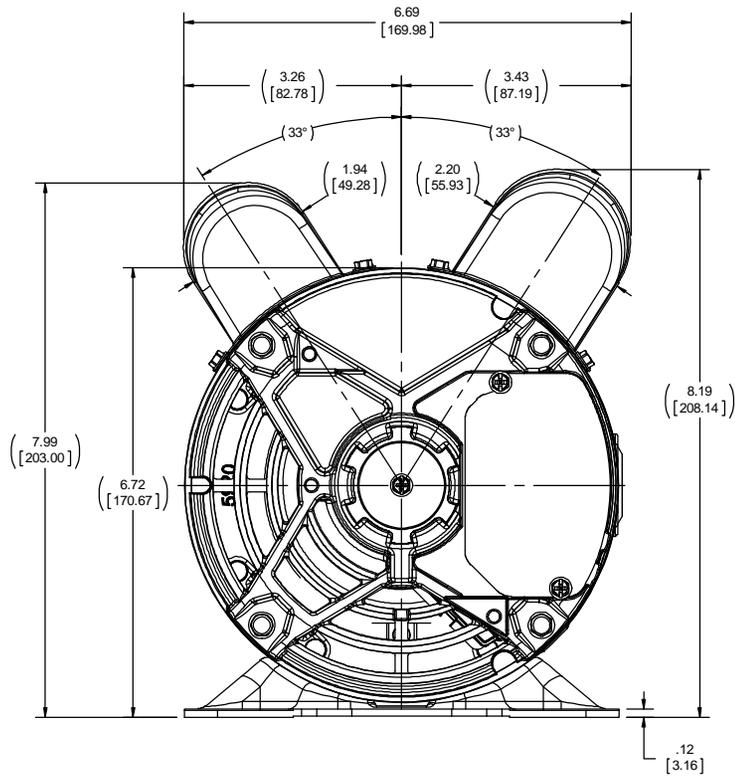
Nameplate Specifications

Phase	1	Output HP	1 Hp
Output KW	0.75 kW	Voltage	115/208-230 V
Speed	1725 rpm	Service Factor	1.25
Frame	56	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	82.6 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	8.0/4.4-4.0 A	Power Factor	96
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	K
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

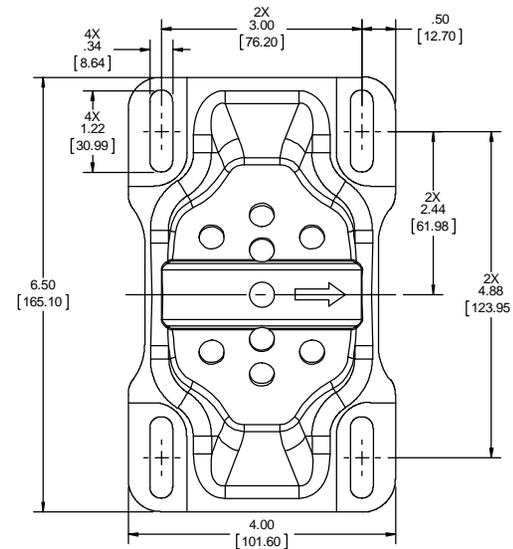
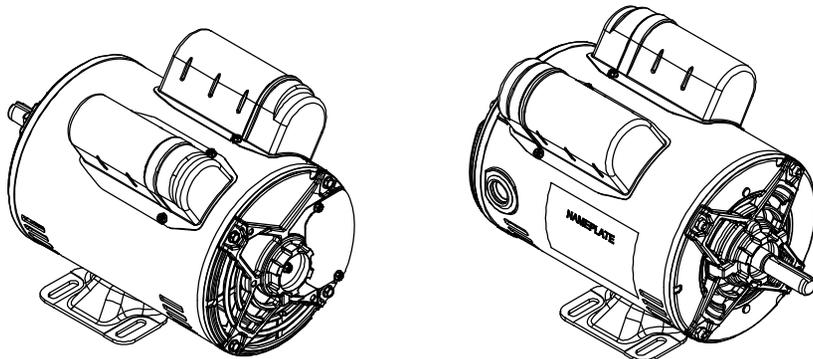
Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	2.12 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Assembly/Box Mounting	F1 ONLY
Connection Drawing	CDBD102	Outline Drawing	OL56100502-001

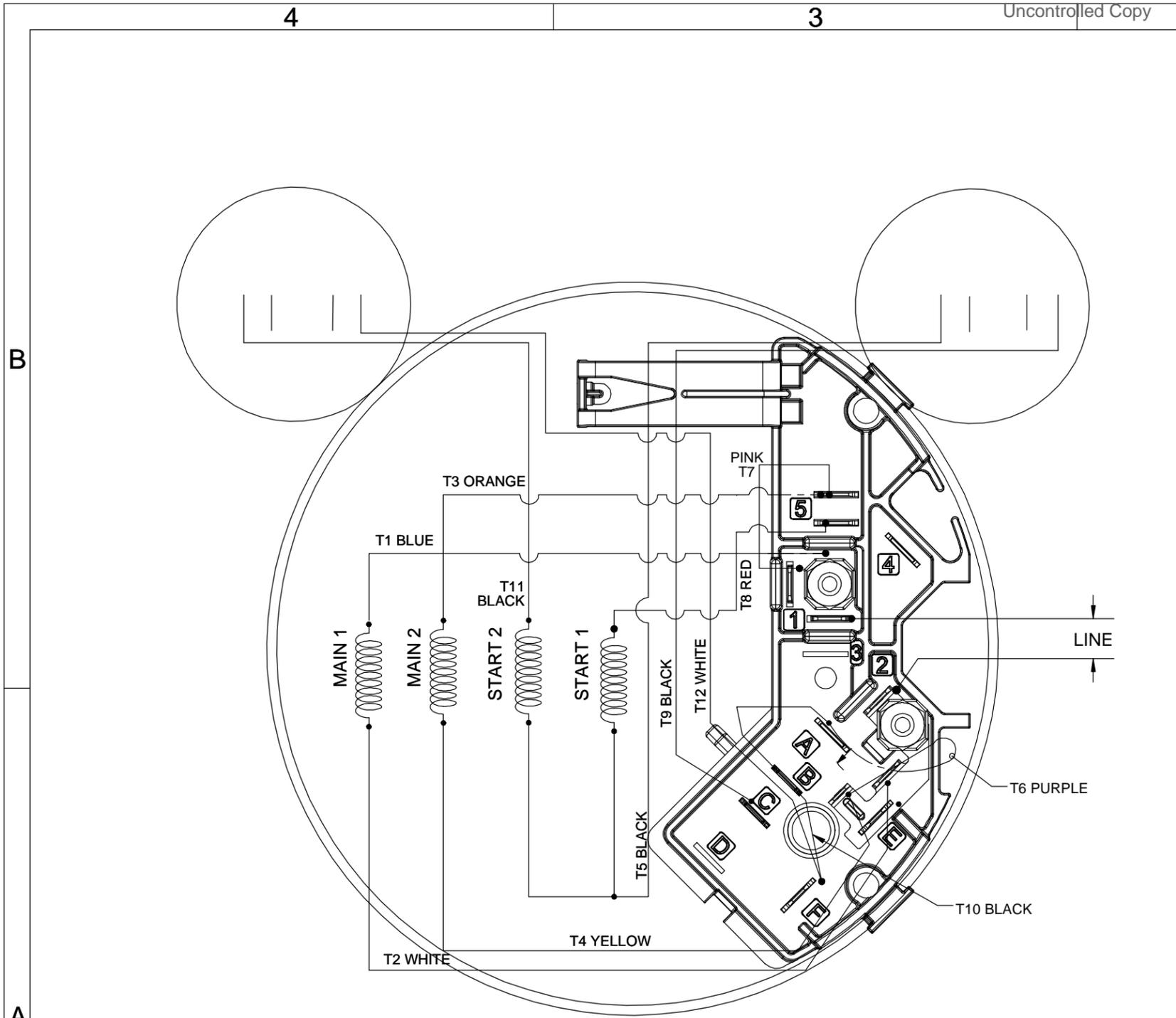
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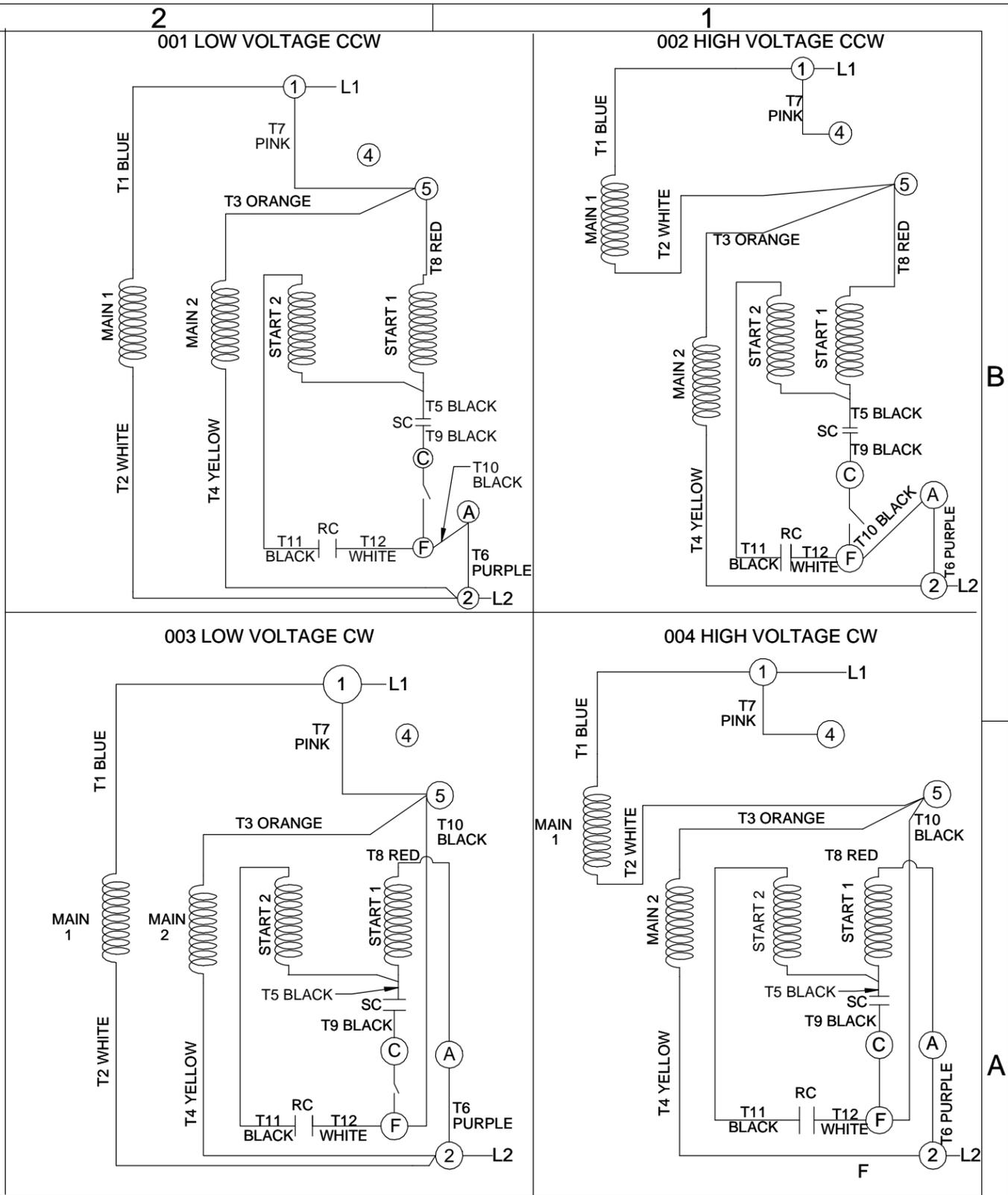
SECTION A-A



DRAWING REVISION B	REVISION BY KB	DATE 10/26/18	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X .X ±0.1 [±2.5] 30.5° .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES. .0031 [0.0787] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: .125 / 3.2 INCH/ mm SHOWN IN [BRACKETS] m/ny	DRAWN BY D.SURYAWANSHI	Regal Beloit America, Inc.
ECO ECO-0155470	APPROVED BY SN	DATE 10/26/18	DATE 07/19/2018	DATE 07/19/2018	
UPDATED MOTOR ASSEMBLY <small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION. THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. FORMERLY AND CONTAINS OWNERS PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEMAND BY RECEIVING IT, TO AGREE THAT IT, AND ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>			APPROVED BY PVR	DESCRIPTION OUTLINE 56FR,ODP,1-PHASE,RIGID	
REFERENCE OL56100502			DATE 07/19/2018	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION			SIZE C	DRAWING NUMBER OL56100502-001	SHEET 1 OF 1



CCW/CW ROTATION-CAP START AND CAP RUN DUAL VOLTAGE NO PROTECTOR



NOTES:

1. FOR HI VOLTAGE REMOVE T7 FROM TERMINAL #5 AND PLACE ON TERMINAL #4, REMOVE T2 FROM TERMINAL #2 AND PLACE ON TERMINAL #5
2. TO REVERSE ROTATION, INTERCHANGE T8 & T10.
3. SWITCH REF. 10003283-001-001.
4. CONN. DIAGRAM NAMEPLATE DD10065-001, T No's, -002, Colors with T No's.

DRAWING REVISION D	REVISION BY SHESHI	DATE 10/26/2018
ECO ECO-0155470	APPROVED BY CD	DATE 10/28/2018
ECO DESCRIPTION 10003283-001-001 SWITCH WAS 10003285-001-001		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	±0.1	[±2.5]
.XX	±0.01	[±0.25]
.XXX	±0.005	[±0.127]
.XXXX	±0.0005	[±0.0127]
REMOVE BURRS & BREAK SHARP		
EDGES: .003/.015 [.076/.381]		
CORNER FILLETS: .02 [.51]		
MACHINED SURFACES: 125 INCH 3.2 mm		
mm SHOWN IN [BRACKETS]		

DRAWN BY G. RODRIGUEZ	DATE 01-18-2017
APPROVED BY E. MARTINEZ	DATE 01-18-2017
REFERENCE CDBC102	THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER CDBC102
SHEET 1 OF 1	

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 056B17DRR70035A1

(Model No. may contain prefix and/or suffix characters)

Catalog No : C181B

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25