ABB BALDOR RELIANCE

Customer information packet

1217W

2HP, 1800RPM, 1PH, 60HZ, 3634L, GRND

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Specifications

Enclosure	TENV
Frame Material	Steel
Frequency	60.00 Hz
	60.00 Hz
Motor Letter Type	Cap Start, Induction Run
Nameplate Output	2
Number of Poles	4
	4
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1
	1
Product Style	GRINDER
Speed	1800 rpm
	1800 rpm
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage	115 V
	230 V
Voltage @ Frequency	230.0 V @ 60 HZ
	115.0 V @ 60 HZ
Agency Approvals	UR
Ambient Temperature	40 °C
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	10.000 A @ 230.0 V
	20.000 A @ 115.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Insulation Class	B
KVA Code	-
Motor Lead Quantity/Wire Size	4 @ 16 AWG
Motor Standards	Other
Motor Type	3634L

Part Detail

Revision	AA
Type	AC
Mech. spec.	G12-119
Base	
Status	PRD/A
Elec. spec.	G2WG0002
Layout	G2LY0119
Eff. date	06-05-2026
CD Diagram	CD0253
Poles	04
Leads	4#16 12" FROM IRON Y
Proprietary	False
Created date	01-01-0001

Mounting Arrangement	F1
Overall Length	30.70 IN
Product Family	Grinder
Service Factor	1.00
Shaft Extension Location	Double Shaft
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	No Slinger
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None

Nameplate

NP3361L				
CAT.NO.	1217W			
HP	2	**VOLTS**	115/230	
PHASE	1	**AMPS**	20/10	
HZ	60	**RPM**	1800	
SER.NO				
SPEC.	G12-119B-0002			
BLANK				

Accessories

Part number	Description	Multiplier
GA20	PEDESTAL INDUSTRIAL, CAST IRON 8"-14"	A8
GA9	PAIR LIGHTED EYESHIELDS	A8
GA9-1	SINGLE LIGHTED EYESHIELD	A8
GA9S	PAIR EYESHIELDS W/ ON-OFF SWITCH	A8
GA11	PAIR EYESHIELDS	A8
B125	12" 30 GRIT GRINDING WHEEL	A8
B126	12' 46 GRIT GRINDING WHEEL	A8
BQ1-015-CC	1PH Brake, NEMA 1,110-125 VAC, 50/60Hz	P1
BQ1-015-CP	1PH Brake, Panel 110-125 VAC, 50/60 Hz	
BQ2-015-CC	1PH Brake,NEMA 1 208-230 VAC,50/60Hz	
BQ2-015-CP	1PH Brake, Panel 208-230 VAC, 50/60 Hz	
DC12	DUST CONTROL UNIT	A8

AC Induction Motor Performance Data
Record # 21971
Typical performance - not guaranteed values

Winding: G2WG0002-R001	**Type:** 3634L	**Enclosure:** TENV

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			2	**Full Load Torque**	6 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			20/10	**Breakdown Torque**	14 LB-FT
R.P.M.			1800	**Pull-up Torque**	11.8 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	14.2 LB-FT
NEMA Design Code	-	**KVA Code**	-	**Starting Current**	58.6 A
Service Factor (S.F.)			1	**No-load Current**	6.04 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	0.997 Ω A Ph 0.665 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	49	64	73	79	82	86
Efficiency	50.6	64.5	68.3	68.7	66.4	64.6
Speed	1782	1770	1756	1739	1720	1696
Line amperes	6.7	7.99	9.76	11.9	14.6	17

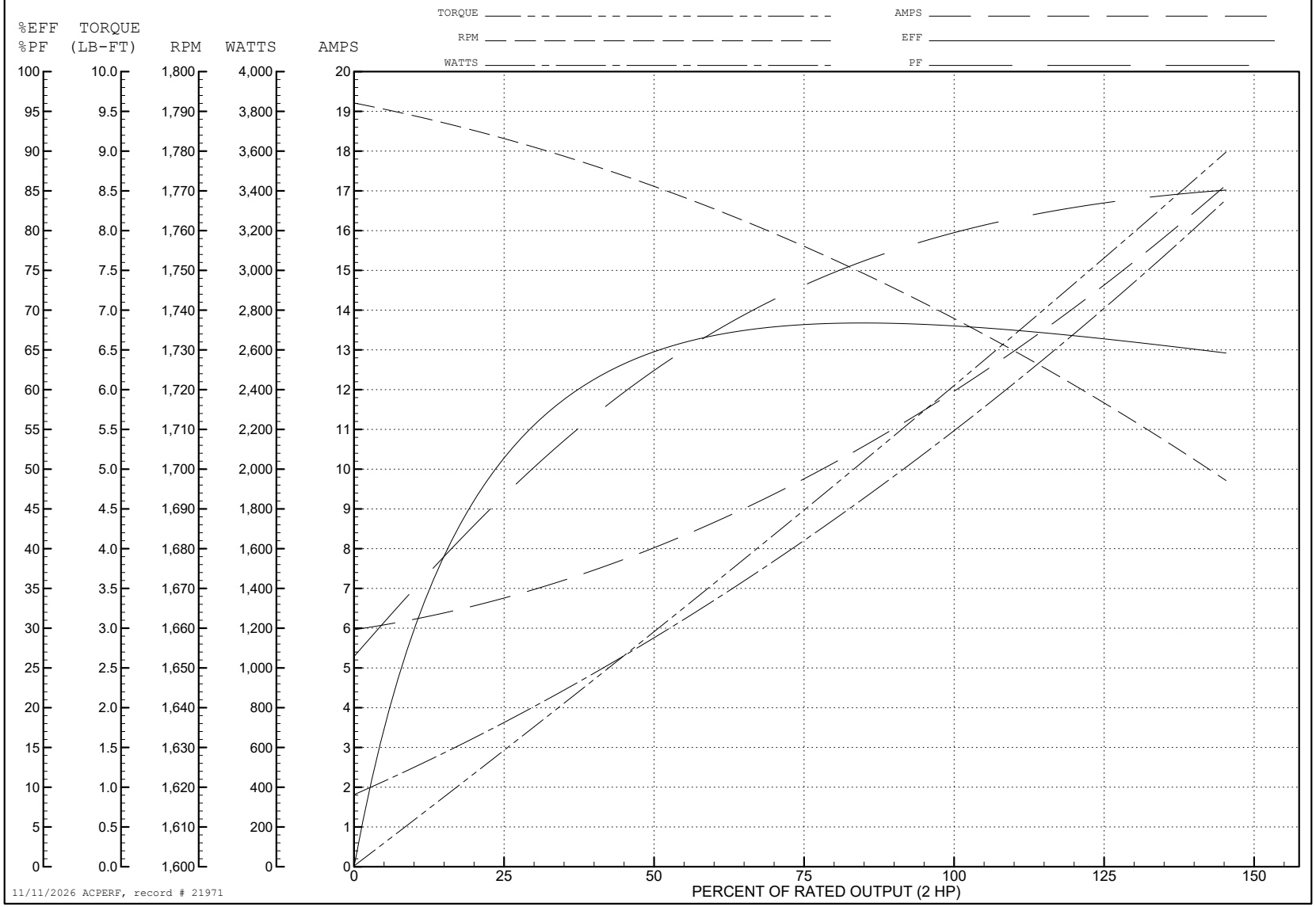
ABB Motors and Mechanical Inc.

WINDING # G2WG0002

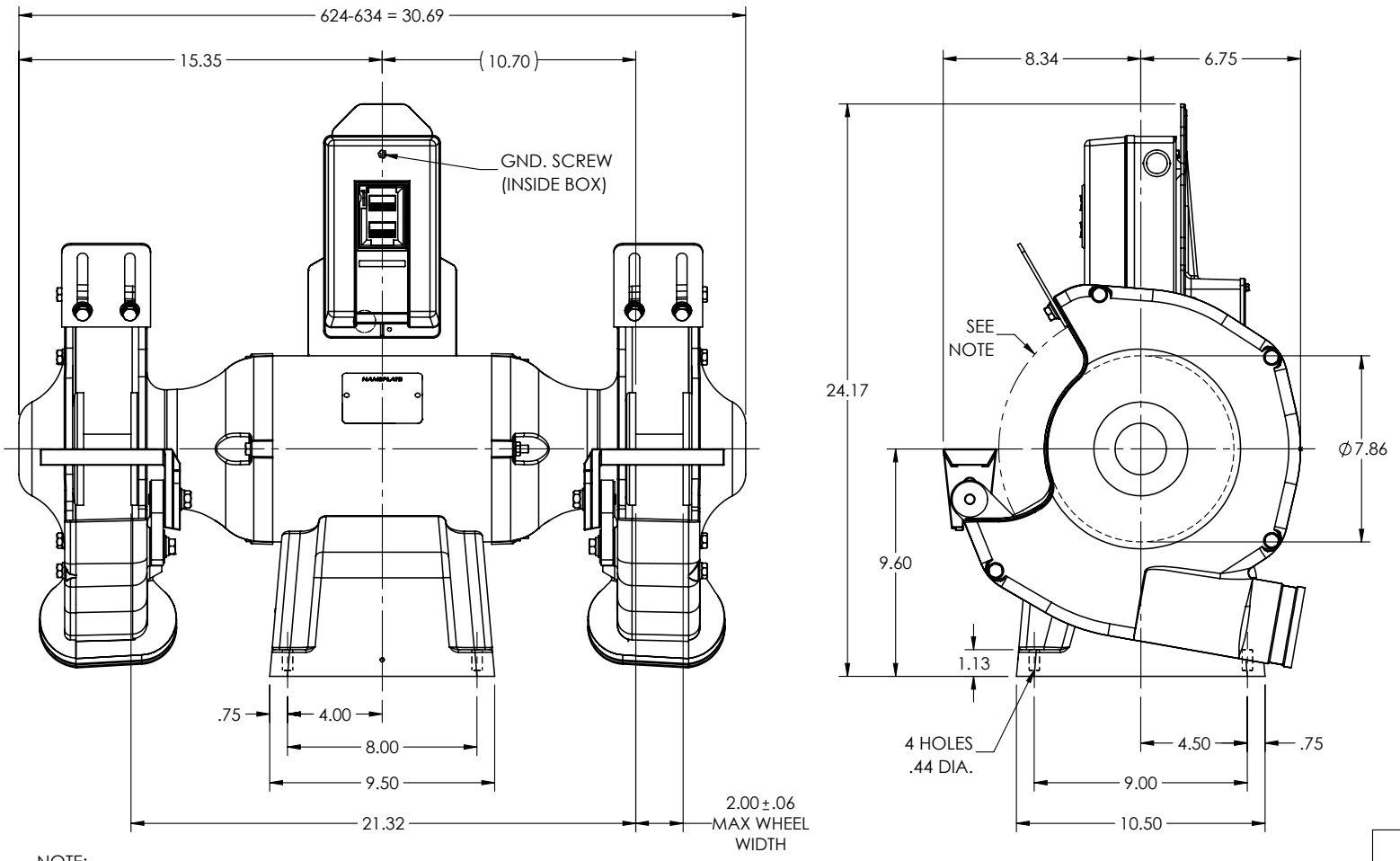
2 HP 1 PH 60 HZ 1800 RPM 230 V 3634L

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=14 PU=11.8 LR=14.2 LRA=58.6



G2LY0119



NOTE:
WHEELS SOLD SEPARATELY. SEE CATALOG FOR INFORMATION.

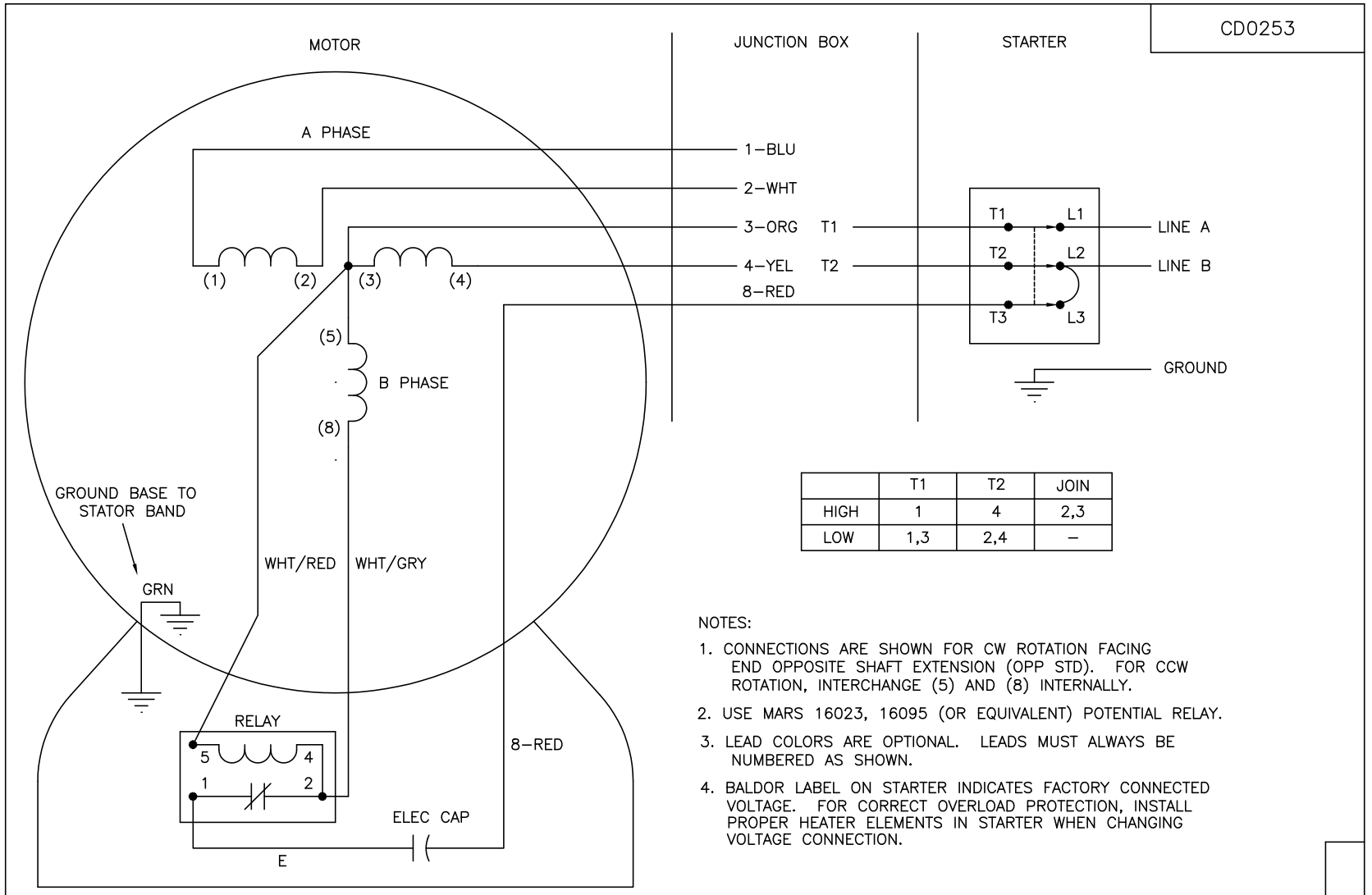
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: MOVE GROUND SCREW TO TOP OF STARTER			
REV: C	VERSION: 02	REVISED: 02:23:55 10/15/2025	TDR: 000001265308
G2LY0119	MODEL NO. G2LY0119		REF: -
	BY: USEROLI		

BALDOR - RELIANCE®

STD 12" GRINDER 36L FRAME W/EXHAUSTS & MANUAL STARTER

G2LY0119



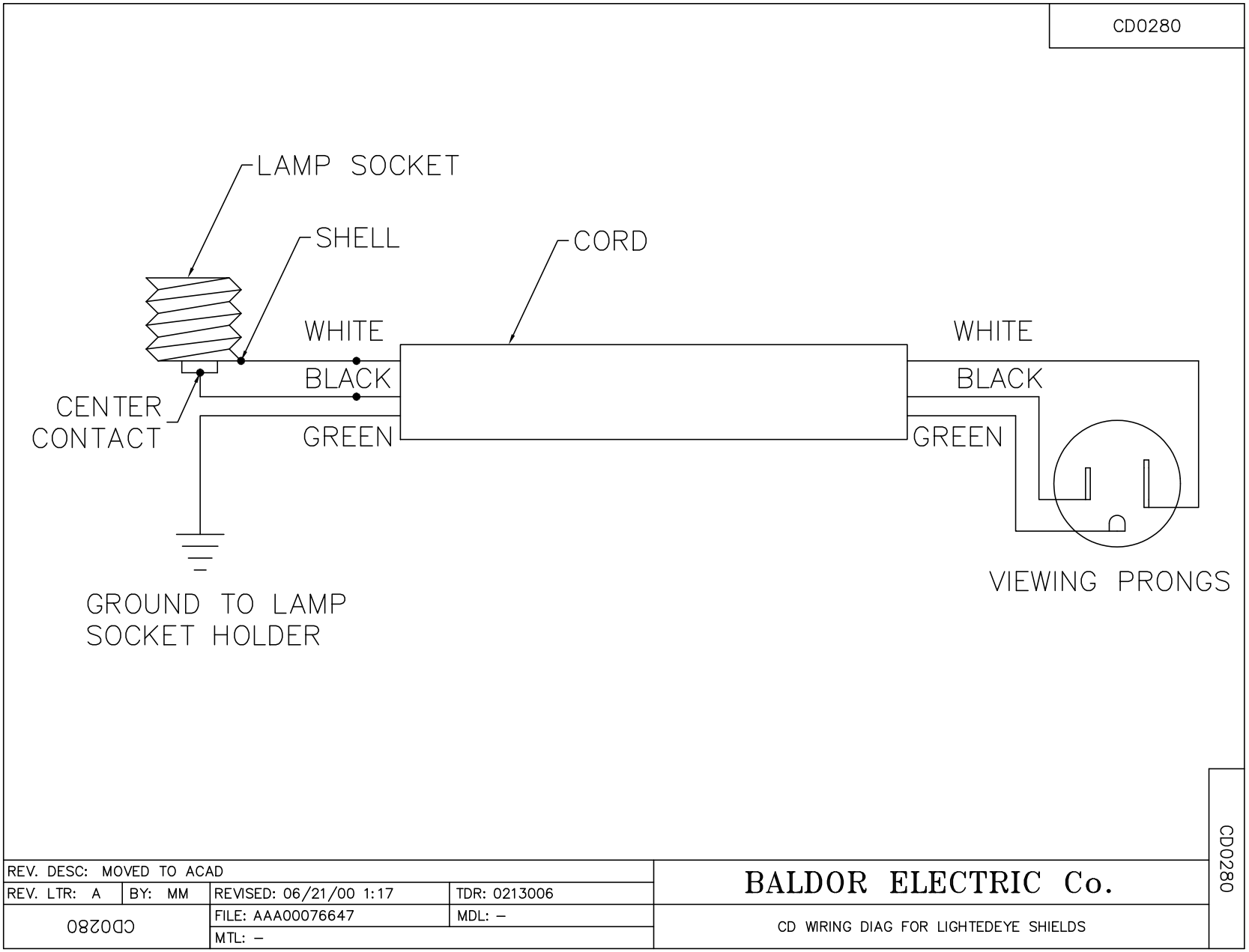
	T1	T2	JOIN
HIGH	1	4	2,3
LOW	1,3	2,4	–

NOTES:

1. CONNECTIONS ARE SHOWN FOR CW ROTATION FACING END OPPOSITE SHAFT EXTENSION (OPP STD). FOR CCW ROTATION, INTERCHANGE (5) AND (8) INTERNALLY.
2. USE MARS 16023, 16095 (OR EQUIVALENT) POTENTIAL RELAY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.
4. BALDOR LABEL ON STARTER INDICATES FACTORY CONNECTED VOLTAGE. FOR CORRECT OVERLOAD PROTECTION, INSTALL PROPER HEATER ELEMENTS IN STARTER WHEN CHANGING VOLTAGE CONNECTION.

CD0253

REV. DESC: ADDED NOTE #4, SEE EC09			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JED	REVISED: 09/22/99 11:24	TDR: 0187361
CD0253		FILE: AAA00028149	MDL: –
		MTL: –	TYPE L, DV, FIX, POT. RELAY, MANUAL STARTER, GRINDER


CD0280
LAMP SOCKET
SHELL
CORD
WHITE
BLACK
GREEN
CENTER CONTACT
WHITE
BLACK
GREEN
GROUND TO LAMP SOCKET HOLDER
VIEWING PRONGS
CD0280
REV. DESC: MOVED TO ACAD
REV. LTR: A
BY: MM
REVISED: 06/21/00 1:17
TDR: 0213006
FILE: AAA00076647
MDL: –
MTL: –
CD0280
BALDOR ELECTRIC Co.
CD WIRING DIAG FOR LIGHTEDEYE SHIELDS