ABB BALDOR RELIANCE

Customer information packet

JSL725A

2HP, 3450RPM, 1PH, 60HZ, 3528L, N
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/18/2026 8:13:15 PM

Specifications

Enclosure	OPSB
Frame	56YZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	UR
	CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	11.000 A @ 230.0 V
	13.300 A @ 208.0 V
	22.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	S
Type	AC
Mech. spec.	35E2011
Base	
Status	PRD/A
Elec. spec.	35WGL467
Layout	35LYE2011
Eff. date	05-07-2024
CD Diagram	CD0203
Poles	02
Leads	4#14 A&J,1#18 B PH,1#12 #1TH
Proprietary	False
Created date	01-26-2016

High Voltage Full Load Amps	11.0 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Terminal Panel
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A&J
Motor Lead Termination	None
Motor Standards	NEMA
Motor Type	3528L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.81 IN
Power Factor	81
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Pool Pump
Pulley Shaft Indicator	Ext Thread & Tapped Hole
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.20
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	Shaft Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 1 Location	EP
Winding Thermal 2	None

Nameplate

NP1257L									
CAT.NO.	JSL725A								
SPEC.	35E2011L467G1								
HP	2								
VOLTS	115/230								
AMP	22/11								
RPM	3450								
FRAME	56YZ		**HZ**	60		**PH**	1		
SER.F.	1.20	**CODE**	J	**DES**	L	**CL**	B		
NEMA-NOM-EFF	74	**PF**	81						
RATING	40C AMB-CONT								
CC									
DE	6203	**ODE**	6203						
ENCL	OPSB	**SN**							
	SFA 25.2/12.6								

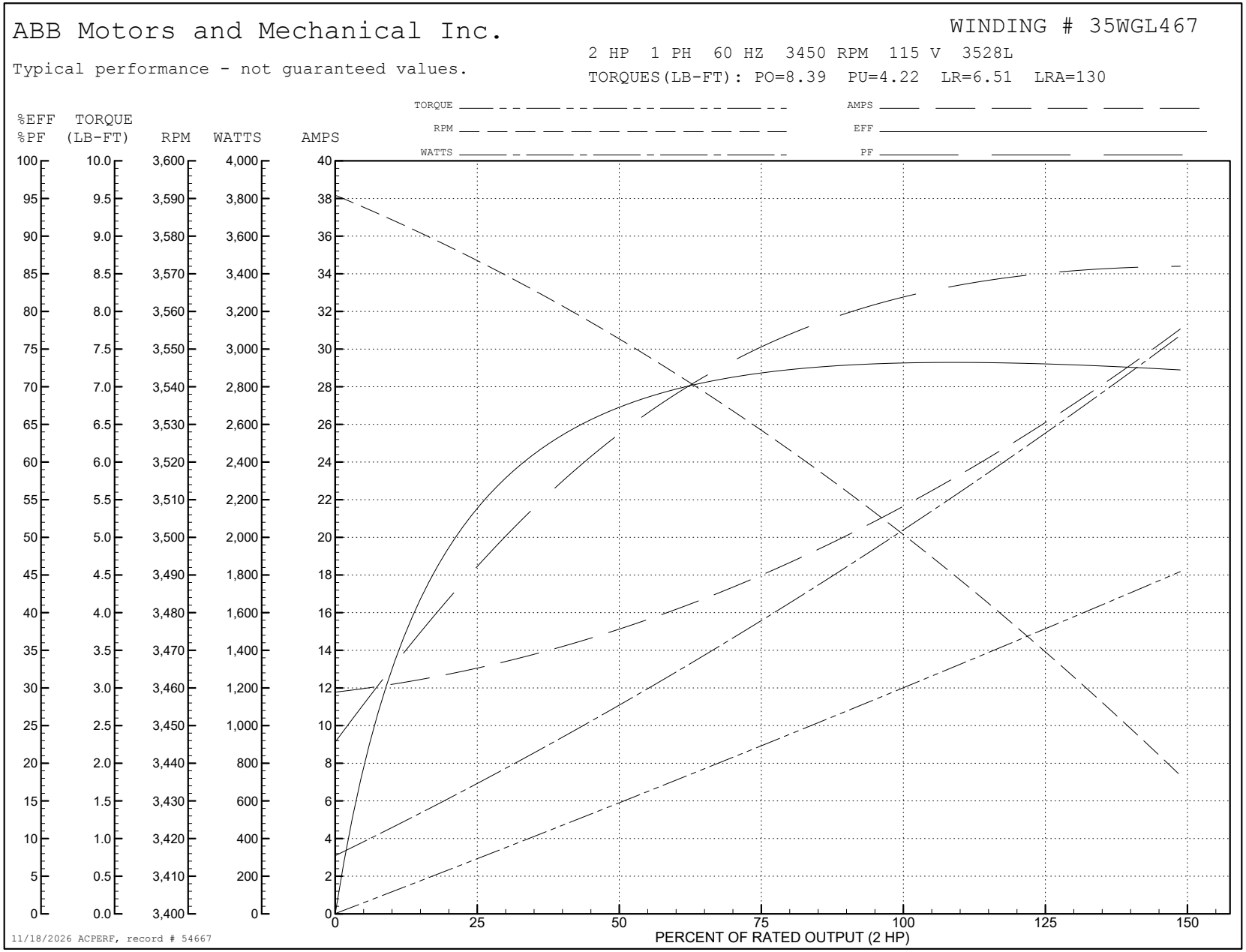
AC Induction Motor Performance Data
Record # 54667
Typical performance - not guaranteed values

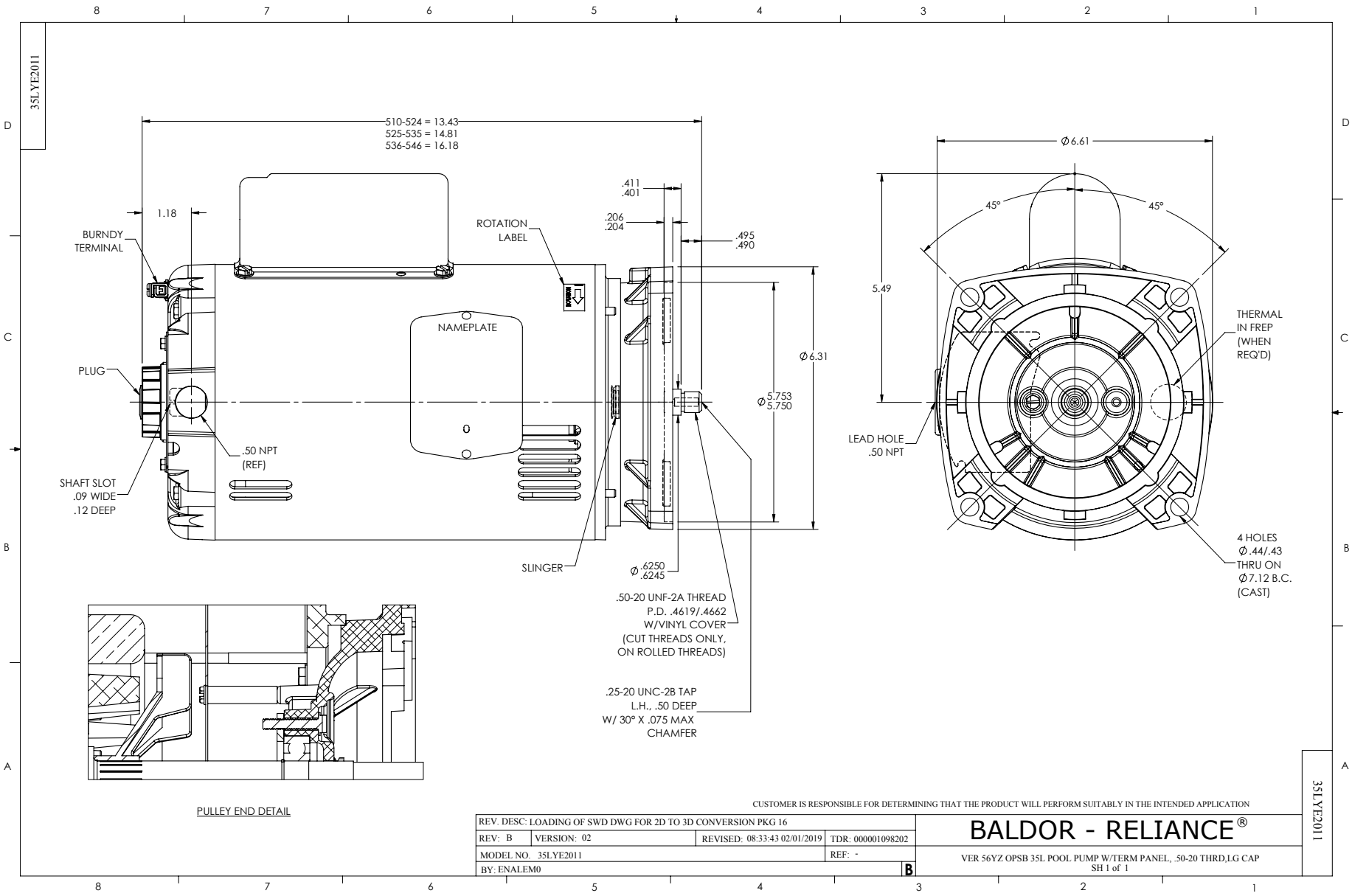
Winding: 35WGL467-R001	**Type:** 3528L	**Enclosure:** OPEN

Nameplate Data			**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)		2	**Full Load Torque**	3.05 LB-FT
Volts		115/230	**Start Configuration**	direct on line
Full Load Amps		22/11	**Breakdown Torque**	8.39 LB-FT
R.P.M.		3450	**Pull-up Torque**	4.22 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	6.51 LB-FT
NEMA Design Code	L **KVA Code**	J	**Starting Current**	130 A
Service Factor (S.F.)		1.2	**No-load Current**	11.8 A
NEMA Nom. Eff.	74 **Power Factor**	81	**Line-line Res. @ 25ºC**	0.233 Ω A Ph 0.862 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	47°C
S.F. Amps		25.2/12.6	**Temp. Rise @ S.F. Load**	56°C
			Locked-rotor Power Factor	76.7
			Rotor inertia	0.0774 LB-FT2

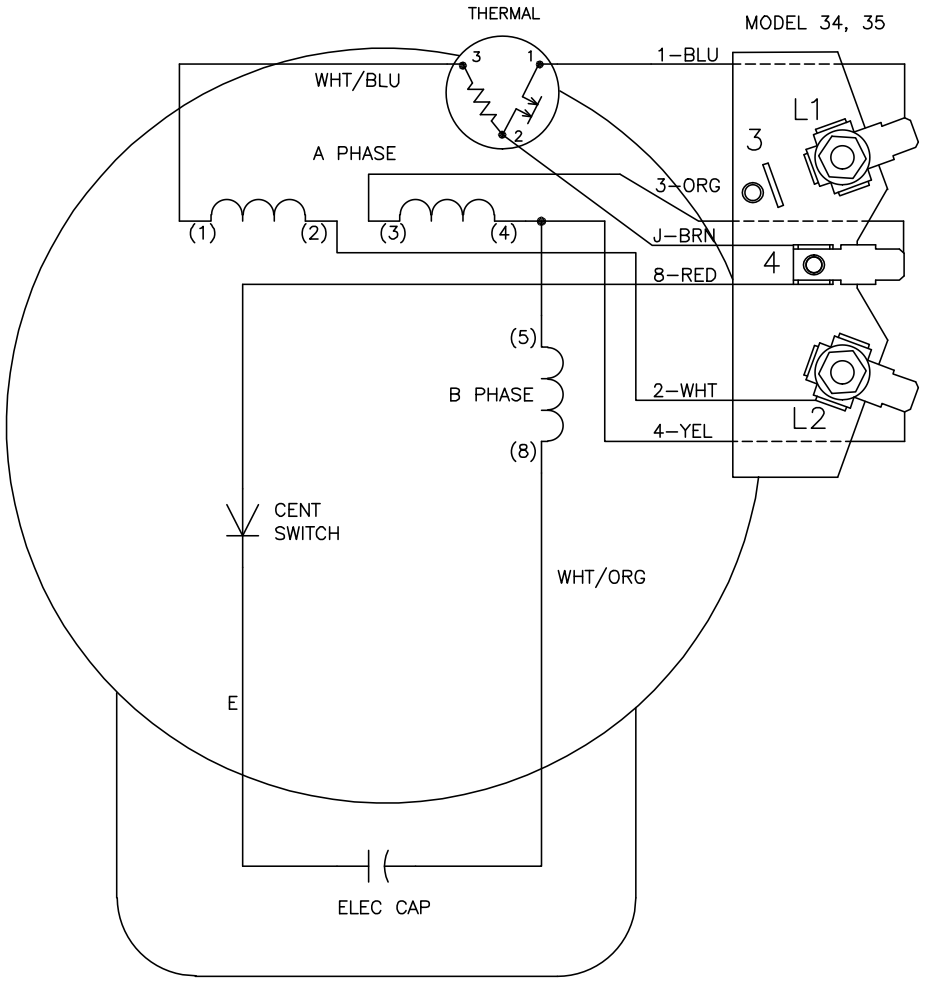
Load Characteristics 115 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	49	65	76	81	85	86	84
Efficiency	50.8	67.3	71	74.8	73.8	71.5	74
Speed	3571	3551	3525	3501	3472	3434	3478
Line amperes	13	15.1	18.6	21.8	26	31.2	25.2


ABB Motors and Mechanical Inc.
WINDING # 35WGL467
Typical performance - not guaranteed values.
2 HP 1 PH 60 HZ 3450 RPM 115 V 3528L
TORQUES(LB-FT): PO=8.39 PU=4.22 LR=6.51 LRA=130
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (2 HP)
11/18/2026 ACPERF, record # 54667


35LYE2011
510-524 = 13.43
525-535 = 14.81
536-546 = 16.18
1.18
BURNDY TERMINAL
ROTATION LABEL
.411
.401
.206
.204
.495
.490
NAMEPLATE
PLUG
.50 NPT (REF)
SHAFT SLOT .09 WIDE .12 DEEP
Ø6.31
Ø5.753
5.750
SLINGER
Ø.6250
.6245
.50-20 UNF-2A THREAD P.D. .4619/.4662 W/VINYL COVER (CUT THREADS ONLY, ON ROLLED THREADS)
.25-20 UNC-2B TAP L.H., .50 DEEP W/ 30° X .075 MAX CHAMFER
Ø6.61
45°
45°
5.49
THERMAL IN FREP (WHEN REQ'D)
LEAD HOLE .50 NPT
4 HOLES Ø.44/.43 THRU ON Ø7.12 B.C. (CAST)
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF SWD DWG FOR 2D TO 3D CONVERSION PKG 16
REV: B
VERSION: 02
REVISED: 08:33:43 02/01/2019
TDR: 000001098202
MODEL NO. 35LYE2011
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
VER 56YZ OPSB 35L POOL PUMP W/TERM PANEL, .50-20 THRD,LG CAP
SH 1 of 1
35LYE2011

CD0203



NOTES:

1. CONNECT LINE LEADS TO L1 AND L2.

   LOW VOLTAGE: CONNECT AS SHOWN.

   HIGH VOLTAGE: MOVE LEAD J TO TERM. 3.
   MOVE LEAD 2 TO TERM. 4.

2. CONNECTIONS ARE SHOWN FOR STANDARD ROTATION (CCW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE 5 AND 8 INTERNALLY FOR OPPOSITE STANDARD ROTATION.

3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.

4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0203

REV. DESC: REMOVE MODEL 17 CONNECTION		
REV. LTR: G	VERSION: 02	TDR: 000001250682
FILE: \AAA\00007\108	REVISED: 12:29:47 04/16/2025	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

TYPE L, DV, FIX, THERMAL, TERMINAL PLATE

SH 1 of 1