ABB BALDOR RELIANCE

Customer information packet

BSM100C-3250AA

BSM100C-3250AA T'STAT, RESOLVER

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Specifications

Enclosure	TENV
Motor Type	S436B
Nameplate Speed	1200
Agency Approvals	CE
	CSA
	TUV
	UR
	WEEE
Base Indicator	Bracket Mounted
Dimensional Drawing Numbers	S4LYP124
Frame	D165D
Frame Material	Exposed Laminations
Motor Lead Quantity/Wire Size	3 @ 14 AWG
Motor Standards	IEC
Mounting Arrangement	F1
Nameplate Output	2.07KW
Shaft Rotation	Reversible

Part Detail

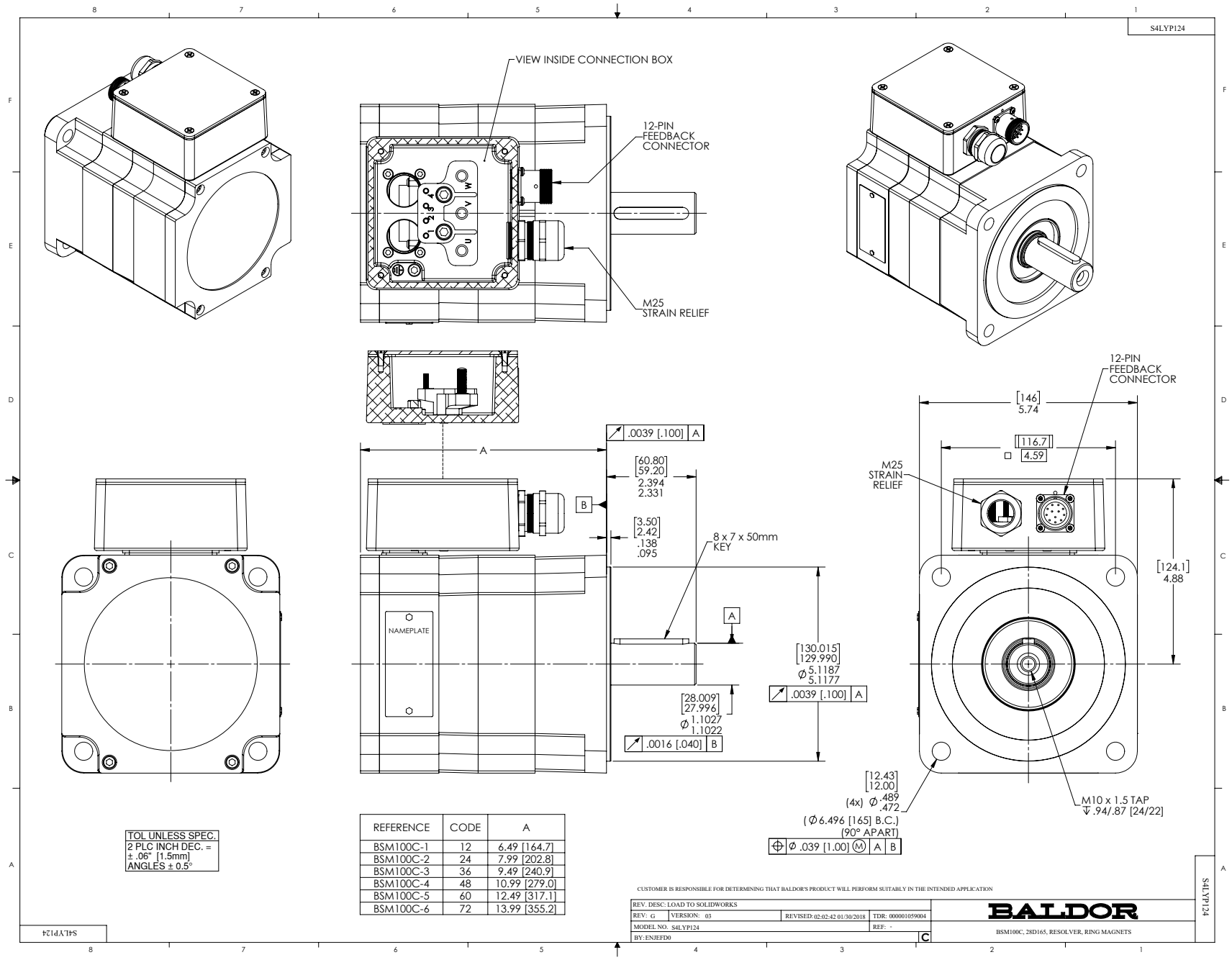
Revision	AD
Type	AC
Mech. spec.	S4P124
Base	
Status	PRD/A
Elec. spec.	S4WGW108
Layout	S4LYP124
Eff. date	11-05-2025
CD Diagram	CD0006A02
Poles	08
Leads	3#14
Proprietary	False
Created date	01-01-0001

Nameplate

NP2863L					
CAT.NO.					
SPEC.	S4P124W108				
MFG.NO.					
TORQ CONT STALL	14.2 NM				
CUR CONT STALL/A RMS	6.96				
POWER	1.78KW				
RATED SPEED/RPM(1/MIN)	1200				
RATED BUS VOLTS	320				
PEAK CUR/A RMS	20.9				
MAX SPEED/RPM(1/MIN)	6000				
IP	54	**IC**	410	**WT.**	22.2
CLASS	F	**25C RATED**			

Accessories

Part number	Description	Multiplier
GBSM100-MRP120-3	Std. Servo Gearbox Ratio 3:1	E4
GBSM100-MRP120-5	Std. Servo Gearbox Ratio 5:1	E4
GBSM100-MRP155-10	Std. Servo Gearbox Ratio 10:1	E4

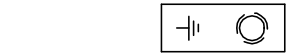


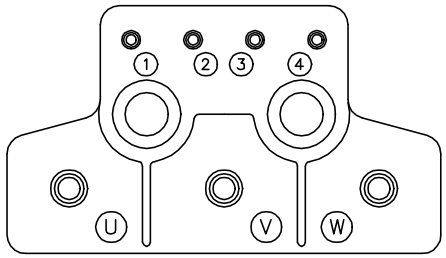
REFERENCE	CODE	A
BSM100C-1	12	6.49 [164.7]
BSM100C-2	24	7.99 [202.8]
BSM100C-3	36	9.49 [240.9]
BSM100C-4	48	10.99 [279.0]
BSM100C-5	60	12.49 [317.1]
BSM100C-6	72	13.99 [355.2]

CD1404

MOTOR CONNECTIONS

TERMINAL LABEL	FUNCTION	INTERNAL WIRE MARKING
1	THERMAL SWITCH	YELLOW
2	THERMAL SWITCH	YELLOW
3	BRAKE (OPTIONAL)	BLACK
4	BRAKE (OPTIONAL)	BLACK
⏚	GROUND	-----
U	PHASE U	T1
V	PHASE V	T2
W	PHASE W	T3

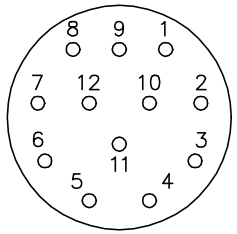




RESOLVER CONNECTIONS

PIN	FUNCTION	INTERNAL WIRE COLOR
1	REF HI R1	RED/WHITE
2	REF LO R2	YELLOW/WHITE (or) BLACK/WHITE
3	COS+ S1	RED
4	COS− S3	BLACK
5	SINE+ S2	BLUE
6	SINE− S4	YELLOW

12 PIN THREADED CONNECTOR
(INSERTION SIDE)



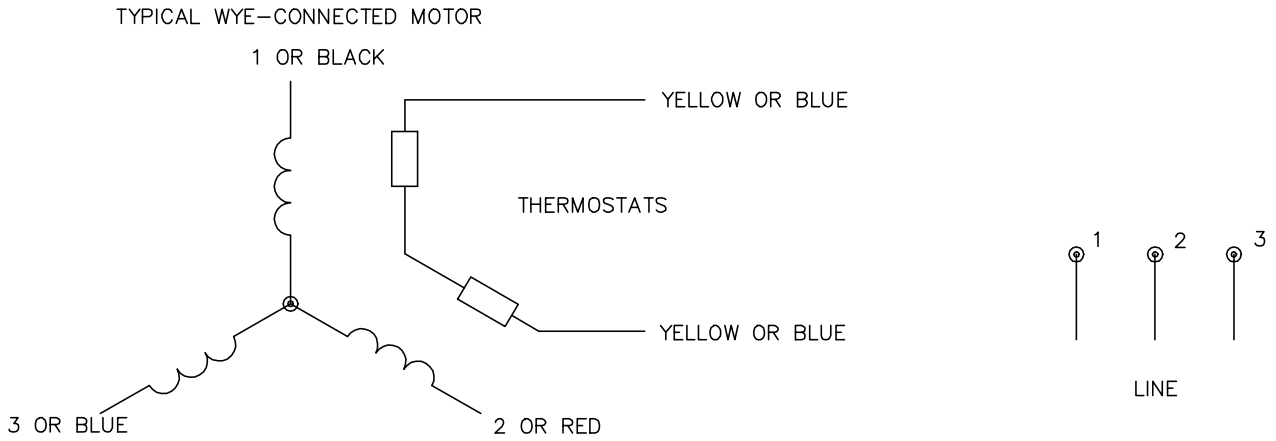
NOTE:

IF NO FEEDBACK, OMIT RESOLVER CONNECTIONS.

CD1404

REV. DESC: ADDED OPTIONAL BLACK/WHITE COLOR TO REF−LO−R2		BALDOR - RELIANCE®
REV. LTR: B	VERSION: 01	TDR: 000001151947
FILE: \AAA\00065\150	REVISED: 01:18:21 10/27/2020	BY: ENJEFDO
MTL: −		CONN. DIAG.−BSM,RESOLVER,BRAKE,TERMINAL BLOCK,12 PIN CONN
		SH 1 of 1

CD0006A02



NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.

REV. DESC: REMOVED "OPTIONAL" FROM PRINT, SERVO REQ'S T'STATS			BALDOR ELECTRIC Co.
REV. LTR: D	VERSION: 03	TDR: 000000414937	
CD0006A02	FILE: \AAA\00068\606	REVISED: 10:02:28 11/21/2006	3PH, SV, 3 LEADS, WYE CONNECTED
	MTL: –	BY: ENJEFDO	

CD0006A02