ABB BALDOR RELIANCE

Customer information packet

BSM63N-350AA

BSM63N-350AA (NEO) T'STAT, RESOLVE

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9/7/2026 3:52:29 AM

Specifications

Enclosure	TENV
Nameplate Speed	4000
Agency Approvals	CE
	CSA
	TUV
	UR
Base Indicator	No Mounting
Dimensional Drawing Numbers	S1LYP100
Frame Material	Exposed Laminations
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Standards	Other
Mounting Arrangement	F1
Nameplate Output	0.67KW
Shaft Rotation	Reversible

Part Detail

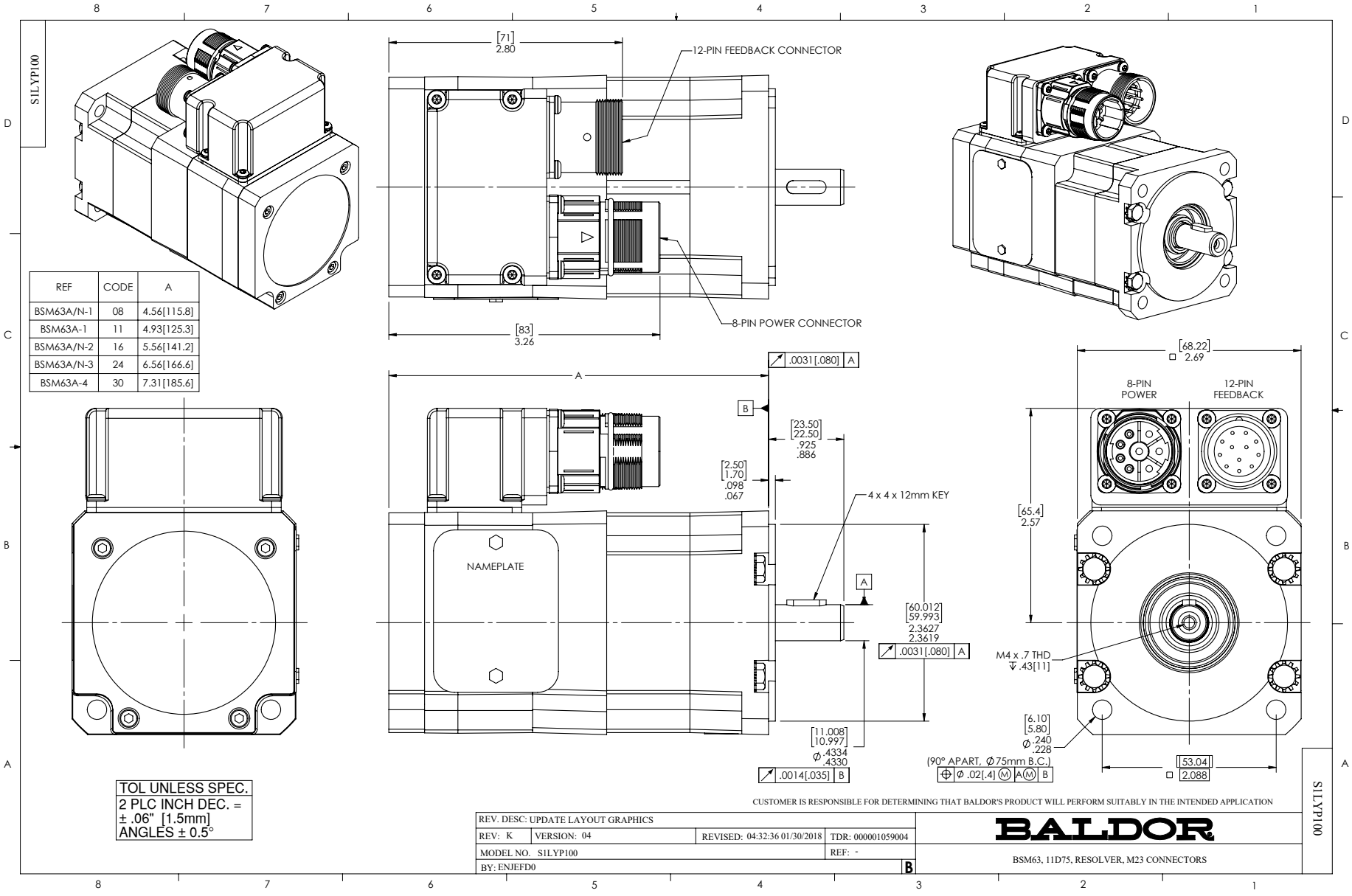
Revision	AE
Type	AC
Mech. spec.	S1P100
Base	
Status	PRD/A
Elec. spec.	S1WGW041
Layout	S1LYP100
Eff. date	07-11-2025
CD Diagram	CD0006A02
Poles	04
Leads	3#18
Proprietary	False
Created date	01-01-0001

Nameplate

NP2859L								
CAT.								
SPEC	S1P100W041G1							
MFG								
TORQ CONT STALL	2.09 NM							
CUR CONT STALL/A RMS	4.05							
POWER	0.93KW							
RATED SPEED/RPM(1/MIN)	6000							
RATED BUS VOLTS	320							
PEAK CUR/A RMS	16.2							
MAX SPEED/RPM(1/MIN)	10000					**WT.**	3.4	
CLASS	F	**IP**	54	**IC**	410		**25C RATED**	

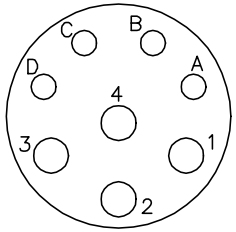
Accessories

Part number	Description	Multiplier
GBSM63-MRP070-5	Std. Servo Gearbox Ratio 5:1	E4


S1LYP100
[71] 2.80
12-PIN FEEDBACK CONNECTOR
8-PIN POWER CONNECTOR
[83] 3.26
REF | CODE | A
BSM63A/N-1 | 08 | 4.56[115.8]
BSM63A-1 | 11 | 4.93[125.3]
BSM63A/N-2 | 16 | 5.56[141.2]
BSM63A/N-3 | 24 | 6.56[166.6]
BSM63A-4 | 30 | 7.31[185.6]
.0031[.080] A
B
[23.50] [22.50] .925 .886
[2.50] [1.70] .098 .067
4 x 4 x 12mm KEY
NAMEPLATE
A
[60.012] [59.993] 2.3627 2.3619
.0031[.080] A
[11.008] [10.997] Ø.4334 Ø.4330
.0014[.035] B
[68.22] □ 2.69
8-PIN POWER
12-PIN FEEDBACK
[65.4] 2.57
M4 x .7 THD ↧.43[11]
[6.10] [5.80] Ø.240 Ø.228
(90° APART, Ø75mm B.C.)
Ø .02[.4] M A M B
[53.04] □ 2.088
TOL UNLESS SPEC.
2 PLC INCH DEC. = ± .06" [1.5mm]
ANGLES ± 0.5°
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE LAYOUT GRAPHICS
REV: K | VERSION: 04 | REVISED: 04:32:36 01/30/2018 | TDR: 000001059004
MODEL NO. S1LYP100 | REF: -
BY: ENJEFD0 | B
BALDOR
BSM63, 11D75, RESOLVER, M23 CONNECTORS
S1LYP100

CD1321

8 PIN THREADED CONNECTOR
(CRIMP STYLE)
(INSERTION SIDE)

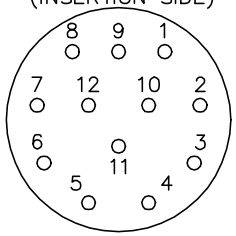


MOTOR CONNECTIONS

PIN	FUNCTION	INTERNAL/EXTERNAL MARKINGS
A	THERMAL SWITCH	YELLOW
B	THERMAL SWITCH	YELLOW
C	BRAKE (OPTIONAL)	BLACK (* RED)
D	BRAKE (OPTIONAL)	BLACK
1	U	BLACK OR T1
2	GROUND	GREEN OR **GREEN/YELLOW
3	W	BLUE OR T3
4	V	RED OR T2

* WHEN REQUIRED
**CE MOTORS REQUIRE GREEN/YELLOW GROUND

12 PIN THREADED CONNECTOR
(CRIMP STYLE)
(INSERTION SIDE)



RESOLVER CONNECTIONS

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

CD1321

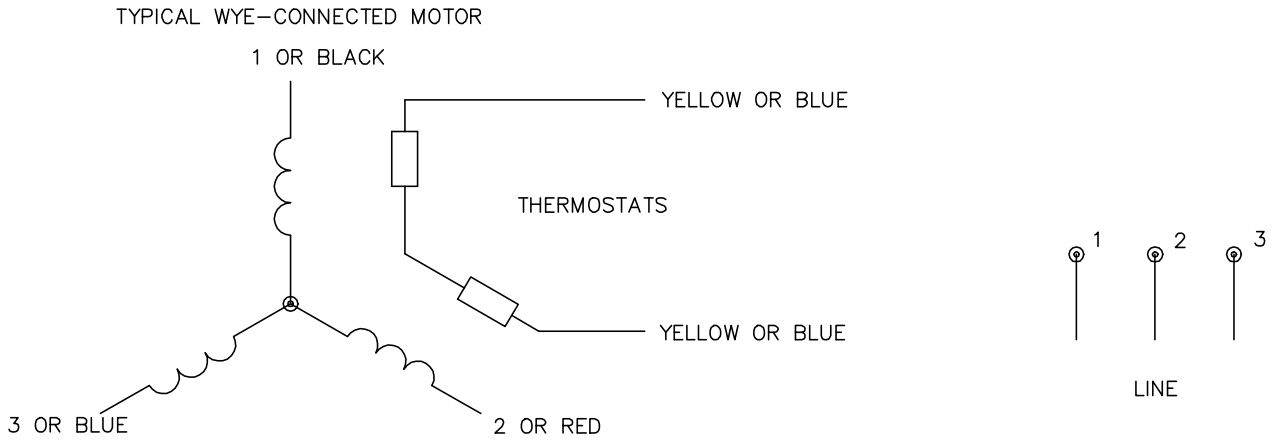
REV. DESC: ADD CE NOTE AND GREEN/YELLOW GROUND		
REV. LTR: F	VERSION: 03	TDR: 000001192301
FILE: \AAA\00055\309	REVISED: 02:34:44 06/13/2022	BY: ENDANDO
MTL: –		

BALDOR - RELIANCE®

BSM WIRING DIAG, POWER & RESOLVER, 8 & 12 PIN THD CONNECT.

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