

ABB BALDOR RELIANCE III

Customer information packet

BSM63N-250AA

BSM63N-250AA (NEO) T'STAT, RESOLVE

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	0.53KW
Shaft Rotation	Reversible

Part Detail

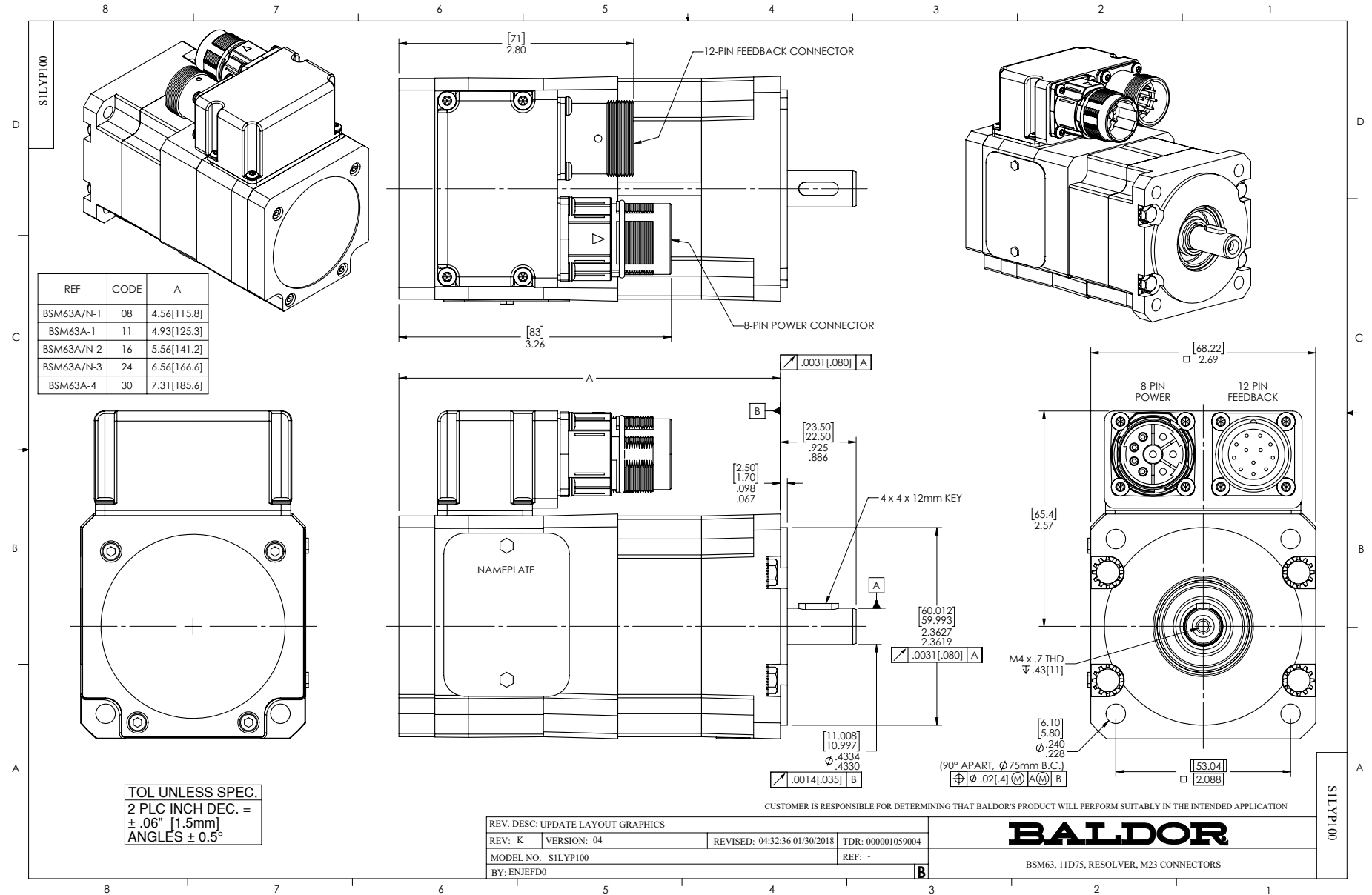
Revision	AE
Type	AC
Mech. spec.	S1P100
Base	
Status	PRD/A
Elec. spec.	S1WGW039
Layout	S1LYP100
Eff. date	07-11-2025
CD Diagram	CD0006A02
Poles	04
Leads	3#18
Proprietary	False
Created date	01-01-0001

Nameplate

NP2859L									
CAT.									
SPEC		S1P100W039G1							
MFG									
TORQ CONT STALL		1.47 NM							
CUR CONT STALL/A RMS		2.82							
POWER		0.69KW							
RATED SPEED/RPM(1/MIN)		6000							
RATED BUS VOLTS		320							
PEAK CUR/A RMS		11.3							
MAX SPEED/RPM(1/MIN)		10000				WT.		3	
CLASS		F	IP	54	IC	410	25C RATED		

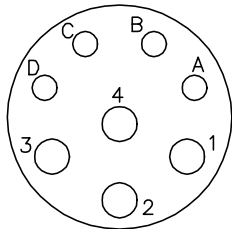
Accessories

Part number	Description	Multiplier
GBSM63-MRP070-5	Std. Servo Gearbox Ratio 5:1	E4
GBSM63-MRP070-10	Std. Servo Gearbox Ratio 10:1	E4
GBSM63-MRP090-25	Std. Servo Gearbox Ratio 25:1	E4

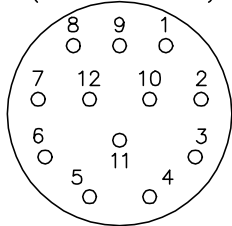


CD1321

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



12 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

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

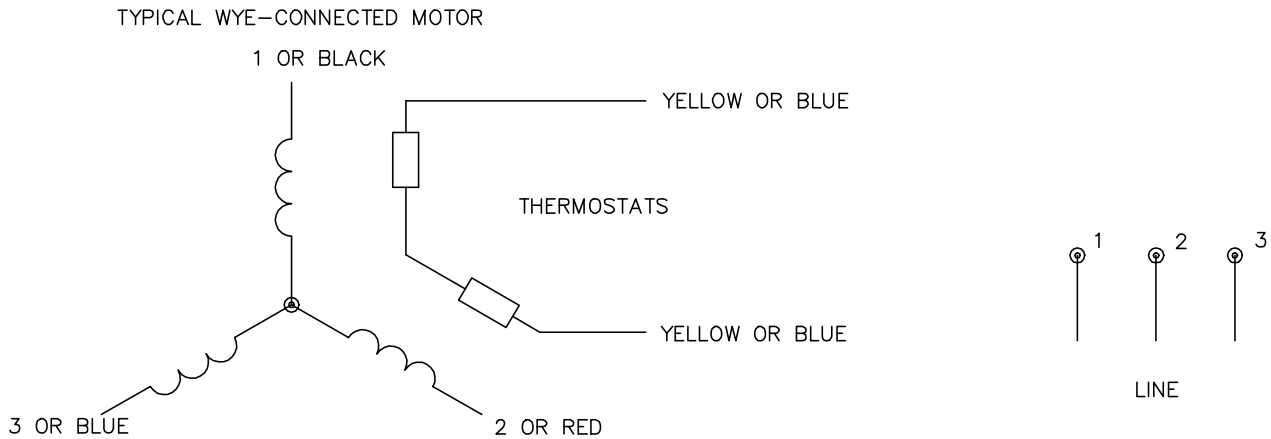
REV. DESC: ADD CE NOTE AND GREEN/YELLOW GROUND		
REV. LTR: F	VERSION: 03	TDR: 000001192301
FILE: \AAA\00055\309	REVISED: 02: 34: 44 06/13/2022	BY: ENDANDO
MTL: —		

BALDOR - RELIANCE®

BSM WIRING DIAG, POWER & RESOLVER, 8 & 12 PIN THD CONNECT.
SH 1 of 1

CD1321

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		
REV. LTR: D	VERSION: 03	TDR: 000000414937
CD0006A02	FILE: \AAA\00068\606	REVISED: 10:02:28 11/21/2006
	MTL: -	BY: ENJEFO

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE CONNECTED

CD0006A02