

BALDOR® • RELIANCE®

Customer information packet

BSM100C-3150BA

BSM100C-3150BA T'STAT, BRAKE, RE

Specifications

Enclosure	TENV
Nameplate Speed	2400
Agency Approvals	CE CSA TUV UR
Base Indicator	Bracket Mounted
Dimensional Drawing Numbers	S4LYP160
Frame	D165D
Frame Material	Exposed Laminations
Motor Lead Quantity/Wire Size	3 @ 14 AWG
Motor Standards	IEC
Mounting Arrangement	F1
Nameplate Output	3.33KW
Shaft Rotation	Reversible

Part detail

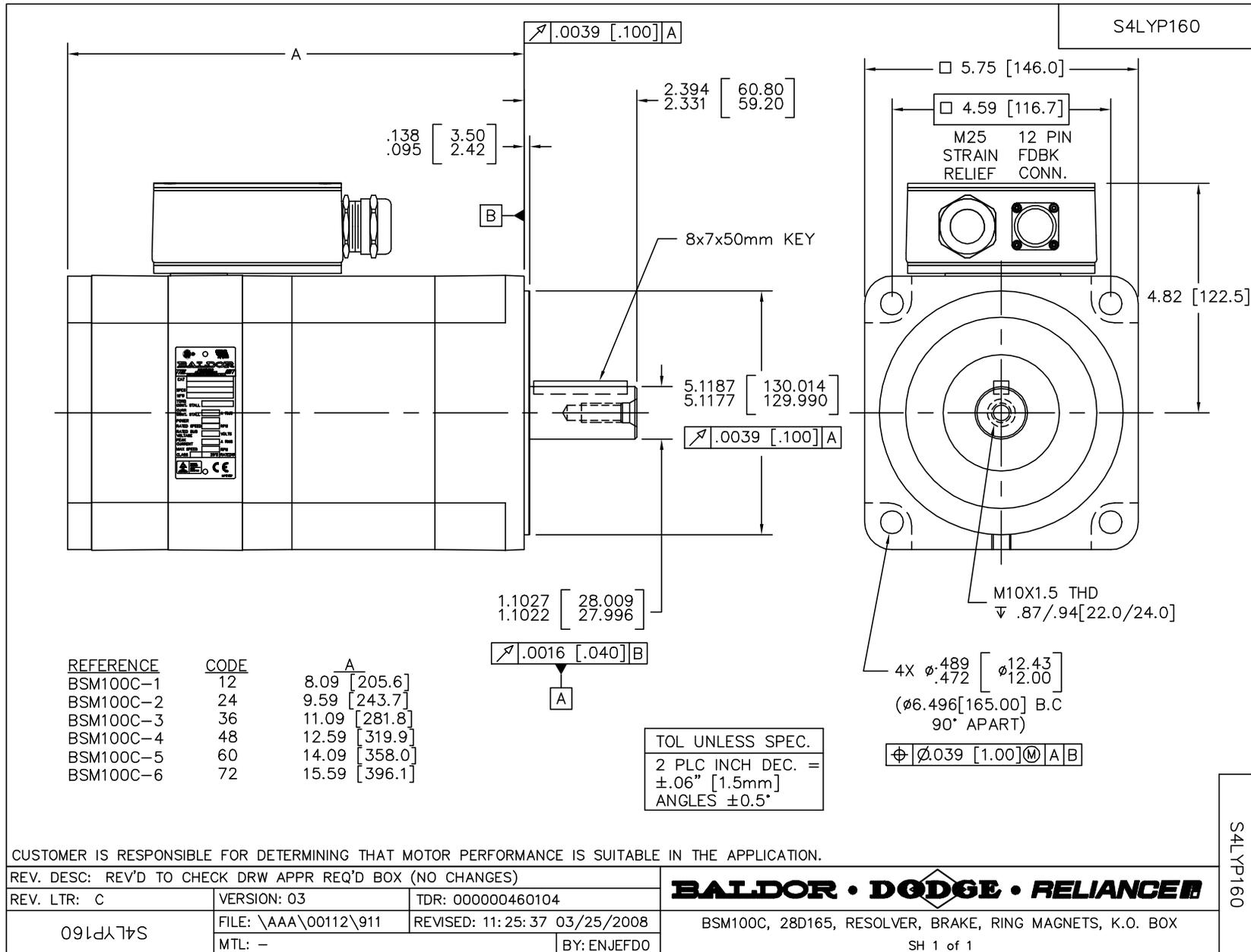
Revision	AC
Type	AC
Mech. spec.	S4P160
Base	
Status	PRD/A
Elec. spec.	S4WGW107
Layout	S4LYP160
Eff. date	12-11-2024
CD Diagram	CD0006A02
Poles	08
Leads	3#14
Proprietary	False
Created date	01-01-0001

Nameplate

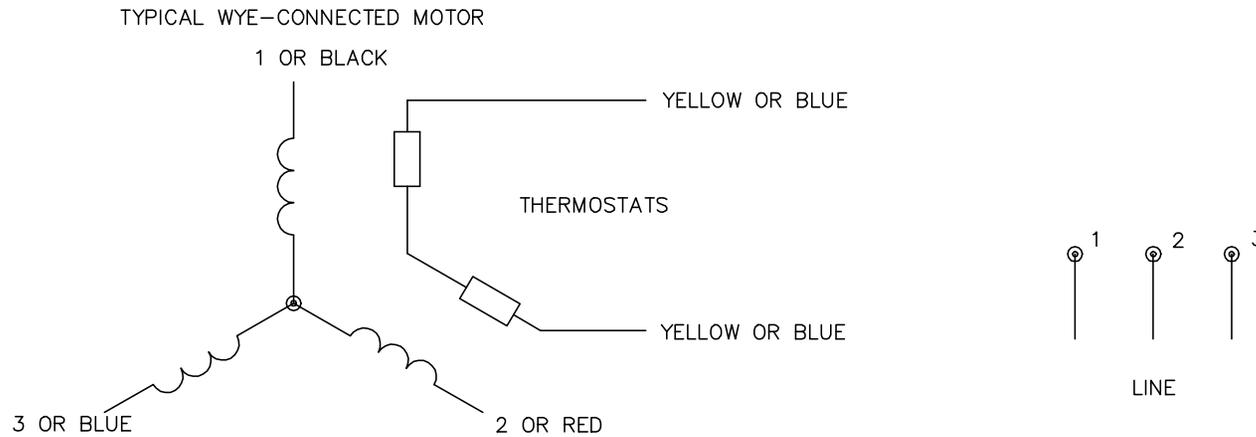
NP2863L					
CAT.NO.	BSM100C-3150BA				
SPEC.	S4P160W107				
MFG.NO.					
TORQ CONT STALL	14.2 NM				
CUR CONT STALL/A RMS	11.4				
POWER	3.57KW				
RATED SPEED/RPM(1/MIN)	2400				
RATED BUS VOLTS	320				
PEAK CUR/A RMS	34.3				
MAX SPEED/RPM(1/MIN)	6000				
IP	54	IC	410	WT.	24.5
CLASS	F	25C RATED			

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



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.

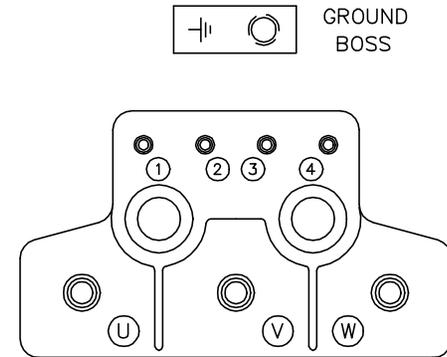
3PH, SV, 3 LEADS, WYE CONNECTED

CD0006A02

CD1404

MOTOR CONNECTIONS

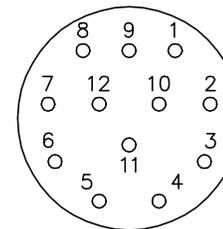
TERMINAL LABEL	FUNCTION	INTERNAL WIRE MARKING
1	THERMAL SWITCH	YELLOW
2	THERMAL SWITCH	YELLOW
3	BRAKE (OPTIONAL)	BLACK
4	BRAKE (OPTIONAL)	BLACK
⊥	GROUND	-----
U	PHASE U	T1
V	PHASE V	T2
W	PHASE W	T3



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.

REV. DESC: ADDED OPTIONAL BLACK/WHITE COLOR TO REF-LO-R2		
REV. LTR: B	VERSION: 01	TDR: 000001151947
FILE: \AAA\00065\150	REVISED: 01:18:21 10/27/2020	BY: ENJFDO
MTL: -		© □

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CONN. DIAG.-BSM,RESOLVER,BRAKE,TERMINAL BLOCK,12 PIN CONN

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CD1404