

BALDOR • RELIANCE

Customer information packet

BSM63N-375BA

BSM63N-375BA T'STAT, BRAKE,

Specifications

Enclosure	TENV
Nameplate Speed	4000
Agency Approvals	CE CSA TUV UR
Base Indicator	Bracket Mounted
Dimensional Drawing Numbers	S1LYP106
Frame	D75D
Frame Material	Exposed Laminations
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Standards	IEC
Mounting Arrangement	F1
Nameplate Output	0.64KW
Shaft Rotation	Reversible

Part detail

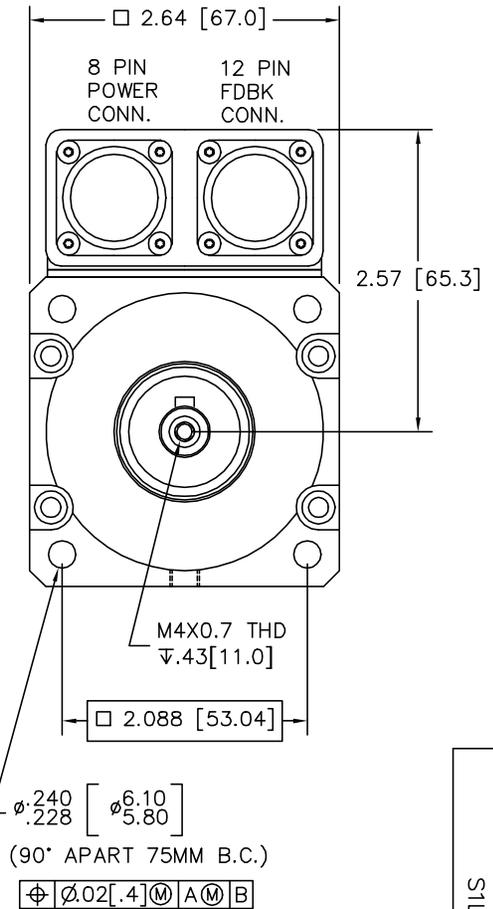
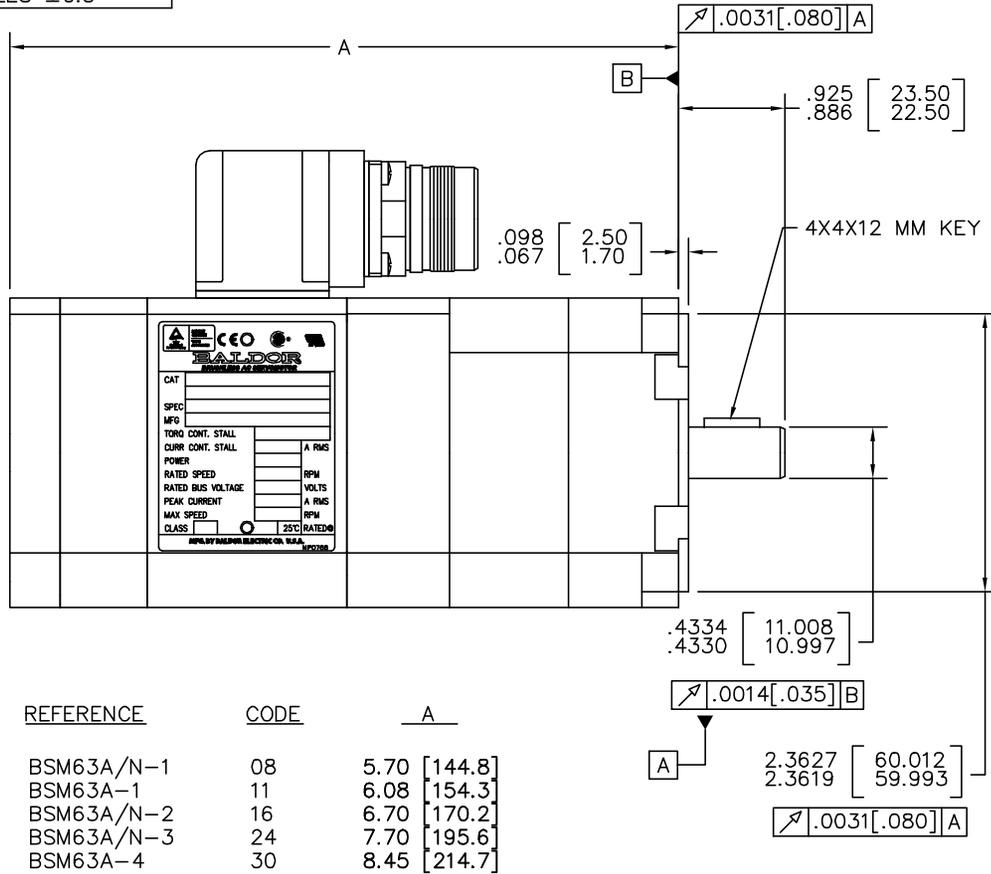
Revision	Z
Type	AC
Mech. spec.	S1P106
Base	
Status	PRD/A
Elec. spec.	S1WGW035
Layout	S1LYP106
Eff. date	12-02-2024
CD Diagram	CD0006A02
Poles	04
Leads	3#18
Proprietary	False
Created date	01-01-0001

Nameplate

NP2859L	
CAT.	
SPEC	S1P106W035G1
MFG	
TORQ CONT STALL	1.91 NM
CUR CONT STALL/A RMS	2.94
POWER	0.61KW
RATED SPEED/RPM(1/MIN)	4000
RATED BUS VOLTS	320
PEAK CUR/A RMS	11.8
MAX SPEED/RPM(1/MIN)	10000
	WT. 3.4
CLASS	F IP 54 IC 410 25C RATED

S1LYP106

TOL UNLESS SPEC.
 2 PLC INCH DEC. =
 ±.06" [1.5mm]
 ANGLES ±0.5°



REFERENCE	CODE	A
BSM63A/N-1	08	5.70 [144.8]
BSM63A-1	11	6.08 [154.3]
BSM63A/N-2	16	6.70 [170.2]
BSM63A/N-3	24	7.70 [195.6]
BSM63A-4	30	8.45 [214.7]

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE TO CORRECT SHAFT		
REV. LTR: F	VERSION: 02	TDR: 000000463715
FILE: \AAA\00073\555	REVISED: 09:01:48 05/08/2008	
MTL: -	BY: ENFRANO	

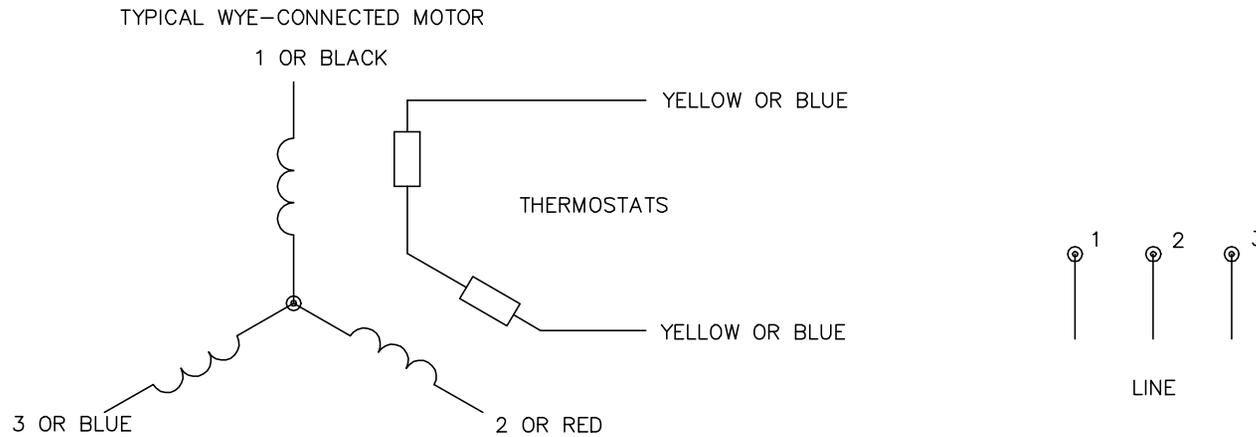
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BSM63, 11D75, BRAKE, RESOLVER, METRIC CONNECTORS

SH 1 of 1

S1LYP106

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: ENJEFD0

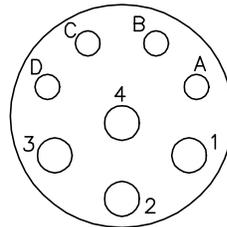
BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE CONNECTED

CD0006A02

CD1321

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



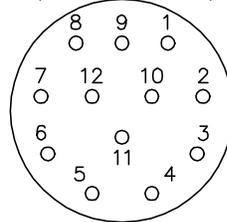
MOTOR CONNECTIONS

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