



Customer information packet

BSM50N-133AA

BSM50N-133AA (NEO) T'STAT, RESOLVER

Specifications

Enclosure	TENV
Nameplate Speed	4000
Agency Approvals	CE
	CSA
	TUV
	UR
Base Indicator	Bracket Mounted
Dimensional Drawing Numbers	S5LYP037
Frame Material	Exposed Laminations
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Standards	Other
Mounting Arrangement	F1
Nameplate Output	0.19KW
Shaft Rotation	Reversible

Part detail

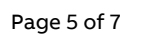
Revision	AJ
Type	AC
Mech. spec.	S5P037
Base	
Status	PRD/A
Elec. spec.	S5WGW019
Layout	S5LYP037
Eff. date	06-03-2024
CD Diagram	CD0006A02
Poles	04
Leads	3#18
Proprietary	False
Created date	01-01-0001

Nameplate

NP2859L										
CAT.		BSM50N-133AA								
SPEC		S5P037W019								
MFG										
TORQ CONT STALL		0.51 NM								
CUR CONT STALL/A RMS		1.62								
POWER		0.19KW								
RATED SPEED/RPM(1/MIN)		4000								
RATED BUS VOLTS		160								
PEAK CUR/A RMS		6.48								
MAX SPEED/RPM(1/MIN)		10000					WT.		2	
CLASS		F	IP	54	IC	410	25C RATED			

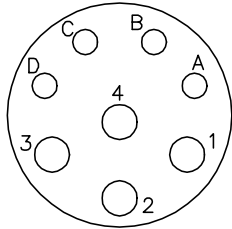
Accessories

Part number	Description	Multiplier
GBSM50-MRP050-5	Std. Servo Gearbox Ratio 5:1	E4
GBSM50-MRP050-10	Std. Servo Gearbox Ratio 10:1	E4

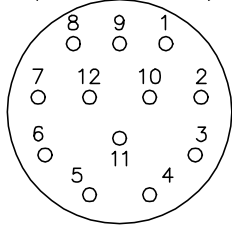


CD1321

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

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: -

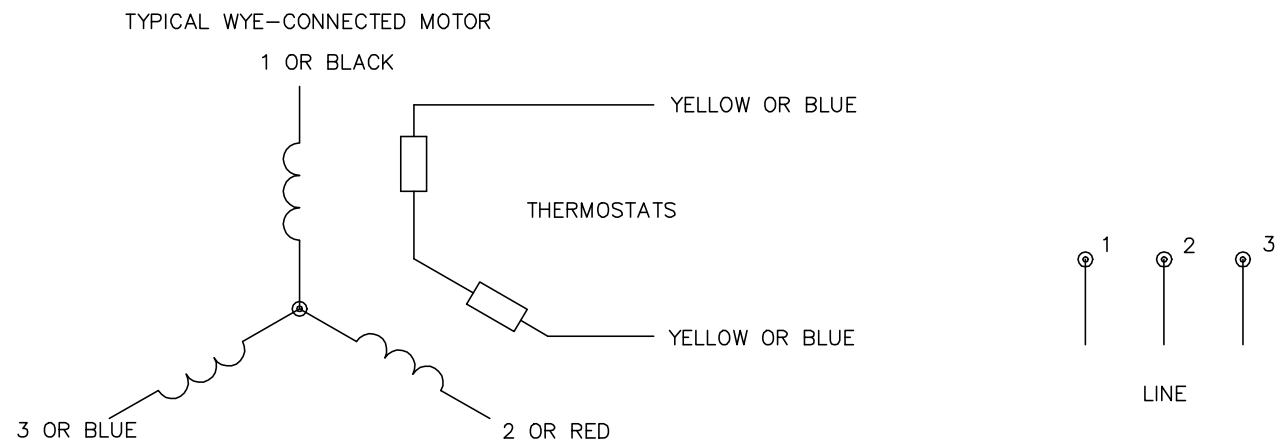


BALDOR - RELIANCE®

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		
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