



Customer information packet

S3P100W021G1

BSM90B-3250AA T'STAT, RESOLVE

Specifications

Enclosure	TENV
Motor Type	S353B
Nameplate Speed	1200
Agency Approvals	CE
	CSA
	TUV
	UR
	WEEE
Base Indicator	Bracket Mounted
Dimensional Drawing Numbers	S3LYP100
Frame	D130D
Frame Material	Laminated
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Standards	IEC
Mounting Arrangement	F1
Nameplate Output	0.75KW
Shaft Rotation	Reversible

Part detail

Revision	Y
Type	AC
Mech. spec.	S3P100
Base	
Status	PRD/A
Elec. spec.	S3WGW021
Layout	S3LYP100
Eff. date	08-15-2023
CD Diagram	CD0006A02
Poles	08
Leads	3#16
Proprietary	False
Created date	01-01-0001

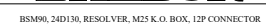
Nameplate

NP2863L					
CAT.NO.	BSM90B-3250AA				
SPEC.	S3P100W021G1				
MFG.NO.					
TORQ CONT STALL	6.5 NM				
CUR CONT STALL/A RMS	3.02				
POWER	0.75KW				
RATED SPEED/RPM(1/MIN)	1200				
RATED BUS VOLTS	320				
PEAK CUR/A RMS	9				
MAX SPEED/RPM(1/MIN)	7000				
IP	54	IC	410	WT.	20.8
CLASS	F	25C RATED			

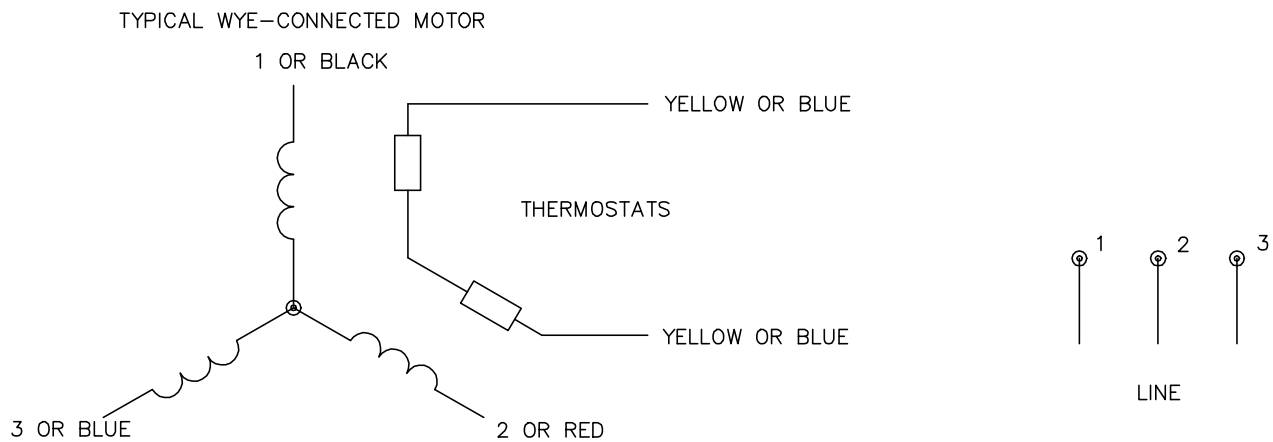
Parts list

Part number	Description	Quantity
SA052209	SA S3P100W021G1	1.000 ea
RA047015	RA S3P100W021G1	1.000 ea
WD1000D140	TRM,T&B #B71,RING,18-14,.25,NON-INSL	3.000 ea
RM1020A03	O-RING, -045 BUNA-N, .070 CS X 3.989 ID	1.000 ea
HW5002A94	RET RING 52MM INTERNAL BEVELED F/205 BRG	1.000 ea
HW2511A101	KEY, 8MM X 7MM X 36MM W/ROUNDED ENDS	1.000 ea
HW5100A43	WASHER WAVE (W1543-020) ZINC PLATED 40MM	2.000 ea
HA2113A03	TOLERANCE RING 8MM X 7MM TYPE BN8X7C	1.000 ea
S3EP3504C23	ENDPLATE, FR-BSM90, RESOLVER, KO BOX MTG	1.000 ea
84YN0040J020	M4 X 20MM SHC SCREW	4.000 ea
HW1021A04	WASHER, M4 SPLIT LOCK	4.000 ea
RM1020A03	O-RING, -045 BUNA-N, .070 CS X 3.989 ID	1.000 ea
HA7013	CLAMP, RESOLVER, PLASTIC "C-SHAPE"	1.000 ea
62YW0025A007	EPOXY LOCK SCREW,M2.5X7 TORX PAN HD TAPT	3.000 ea
MH4006A21	HEAT SHRINK TUBING 0.12 ID BLACK	0.708 ft
84YN0040J020	M4 X 20MM SHC SCREW	4.000 ea
WD1000D84	TERMINAL, NON-INS RING, 22-18 GA, BULK P	2.000 ea
99XM0356A02	STICK SCREW, #3-56 X .125 LG. HEX (MARK	2.000 ea
MJ5004A02	P-2 FRANKLIN RESIN KIT	0.001 ga
MJ5004A03	S-C FRANKLIN ACTIVATOR	0.001 qt
ME3001A02	449S2 FIBERGLASS 20 END ROVING AA-750	0.015 lb
MG2000A17	RUST INHIBITOR PART # SRPO #20	0.001 ga
BG6205E03	6205 D.SL,C3,POLYREX EM	1.000 ea
RF0001	RESOLVER, BRUSHLESS, 1 SPEED, 1.4165 DIA	1.000 ea
S3CB3002E01	BSM90 BLDC FEEDBACK COVER LIGHT GREY	1.000 ea
S4CB5001A40	TERM BOX ASSY BSM90-100 M25 TAP, 12P M23	1.000 ea
LB7019	AC BRUSHLESS SERVOMOTOR CONNECTION DIAGR	1.000 ea
MG1025L02-1	WILKOFAS, 776.06 TEXTURE (BSM) BLACK	0.003 ga
MG1025Z09	CATALYST #060.06 WILCO	0.003 qt
MG1500Y08	PRIMER-WILKOPON (603.08A)YELLOW PRIMER W	0.003 qt
MG1025Z08	WILKO 603.08B PRIMER REDUCER TDR# 72361	0.003 qt

NP2863L	NAMEPLATE BSM90/100 ALUM, LASER ETCHED	1.000 ea
27PA1001	PKG GRP, PRINT PK1027A06	1.000 ea
PK3083	STYROFOAM PACKING CRADLE	1.000 ea
MS1240	BSM Motor Quick Start 1/16	1.000 ea
LB1534	MYLAR CE WARNING LABEL FOR SERVO MOTORS	1.000 ea
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 ea
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS	1.000 ea



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- 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.

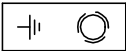
3PH, SV, 3 LEADS, WYE CONNECTED

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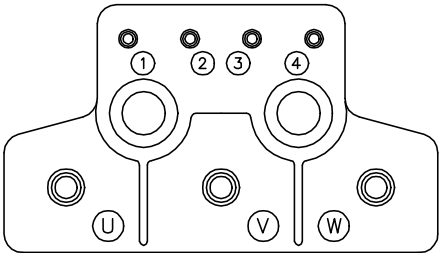
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MOTOR CONNECTIONS

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



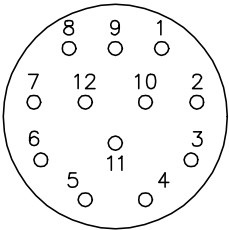
GROUND
BOSS



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: -



BALDOR - RELIANCE®

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

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