

ABB BALDOR RELIANCE III

Customer information packet

BSM80C-3150AA

BSM80C-3150AA T'STAT RESOLVER

Specifications

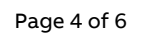
Enclosure	TENV
Nameplate Speed	4000
Agency Approvals	CE
	CSA
	TUV
	UR
	WEEE
Base Indicator	Bracket Mounted
Dimensional Drawing Numbers	S2LYP166
Frame	D100D
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Standards	IEC
Mounting Arrangement	F1
Nameplate Output	1.07KW
Shaft Rotation	Reversible

Part Detail

Revision	Y
Type	AC
Mech. spec.	S2P166
Base	
Status	PRD/A
Elec. spec.	S2WGW063
Layout	S2LYP166
Eff. date	05-29-2026
CD Diagram	CD0006A02
Poles	04
Leads	3#18
Proprietary	False
Created date	01-01-0001

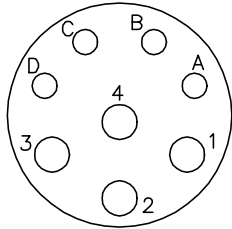
Nameplate

NP2864L									
CAT.NO.	BSM80C-3150AA								
BLANK									
SPEC.	S2P166W063								
MFG.NO.									
TORQ CONT STALL	3.6 NM								
CUR CONT STALL/A RMS	3.18								
POWER	0.71KW								
RATED SPEED/RPM(1/MIN)	2000								
RATED BUS VOLTS	320								
PEAK CUR/A RMS	9.54								
MAX SPEED/RPM(1/MIN)	7000				AMB.		25		
CLASS	F	IP	54	IC	410	MOTOR MASS		6.8	

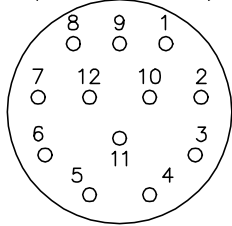


CD1321

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

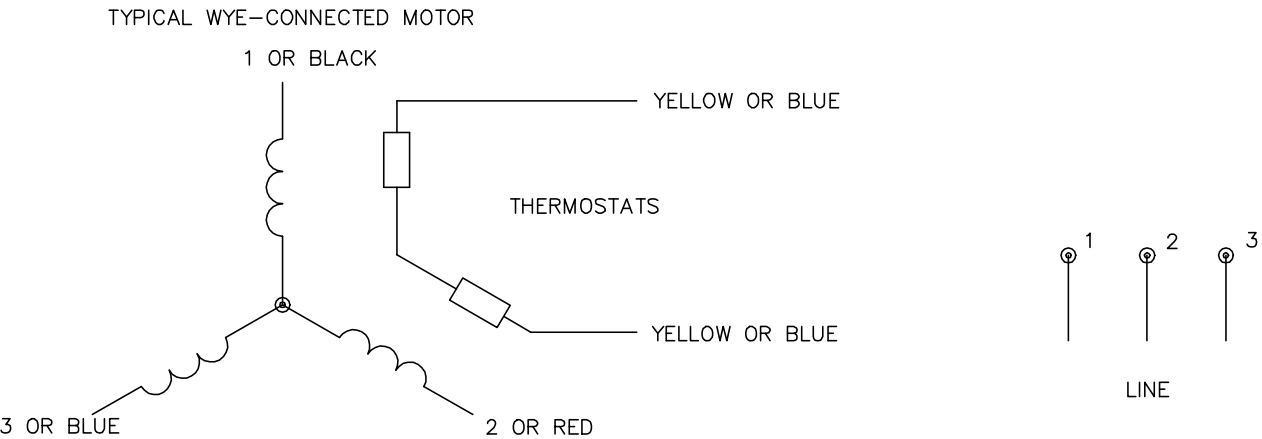
REV. DESC: ADD CE NOTE AND GREEN/YELLOW GROUND		
REV. LTR: F	VERSION: 03	TDR: 000001192301
FILE: \AAA\00055\309	REVISED: 02: 34: 44 06/13/2022	BY: ENDANDO
MTL: —		

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