



Customer information packet

BSM80C-250AA

BSM80C-250AA T'STAT, RESOLVE

Specifications

Enclosure	TENV
Nameplate Speed	6000
Agency Approvals	CE CSA TUV UR
Base Indicator	Bracket Mounted
Dimensional Drawing Numbers	S2LYP166
Frame	D100D
Frame Material	Exposed Laminations
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Standards	IEC
Mounting Arrangement	F1
Nameplate Output	1.02KW
Shaft Rotation	Reversible

Part detail

Revision	AC
Type	AC
Mech. spec.	S2P166
Base	
Status	PRD/A
Elec. spec.	S2WGW054
Layout	S2LYP166
Eff. date	04-02-2025
CD Diagram	CD0006A02
Poles	04
Leads	3#18
Proprietary	False
Created date	01-01-0001

Nameplate

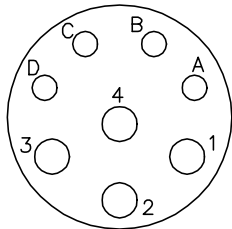
NP2864L									
CAT.NO.	BSM80C-250AA								
BLANK									
SPEC.	S2P166W054								
MFG.NO.									
TORQ CONT STALL	2.4 NM								
CUR CONT STALL/A RMS	5.22								
POWER	1.02KW								
RATED SPEED/RPM(1/MIN)	6000								
RATED BUS VOLTS	320								
PEAK CUR/A RMS	15.6								
MAX SPEED/RPM(1/MIN)	7000				AMB.		25		
CLASS	F	IP	54	IC	410	MOTOR MASS		5.4	

Accessories

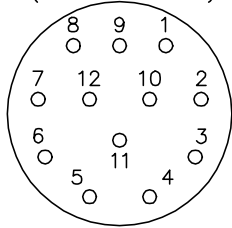
Part number	Description	Multiplier
GBSM80-MRP090-4	Std. Servo Gearbox Ratio 4:1	
GBSM80-MRP090-5	Std. Servo Gearbox Ratio 5:1	E4
GBSM80-MRP090-7	Std. Servo Gearbox Ratio 7:1	E4
GBSM80-MRP090-10	Std. Servo Gearbox Ratio 10:1	E4
GBSM80-MRP090-16	Std. Servo Gearbox Ratio 16:1	E4
GBSM80-MRP120-50	Std. Servo Gearbox Ratio 50:1	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

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: -



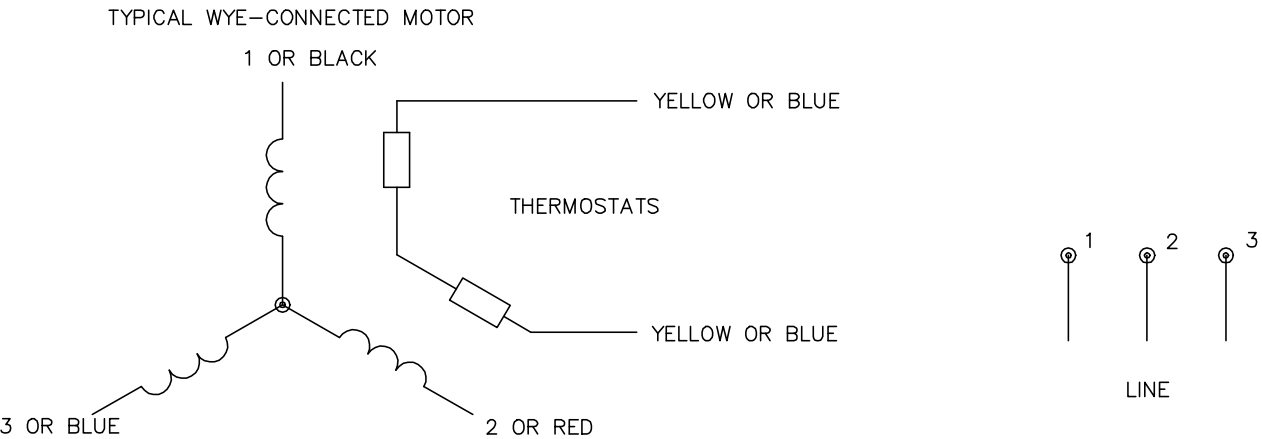
BALDOR - RELIANCE®

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