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# Customer information packet

## BSM63N-275AA

BSM63N-275AA (NEO) T'STAT, RESOLVER

## Specifications

|                               |                     |
|-------------------------------|---------------------|
| Enclosure                     | TENV                |
| Nameplate Speed               | 4000                |
| Agency Approvals              | CE                  |
|                               | CSA                 |
|                               | TUV                 |
|                               | UR                  |
| Base Indicator                | No Mounting         |
| Dimensional Drawing Numbers   | S1LYP100            |
| Frame Material                | Exposed Laminations |
| Motor Lead Quantity/Wire Size | 3 @ 18 AWG          |
| Motor Standards               | Other               |
| Mounting Arrangement          | F1                  |
| Nameplate Output              | 0.53KW              |
| Shaft Rotation                | Reversible          |

## Part detail

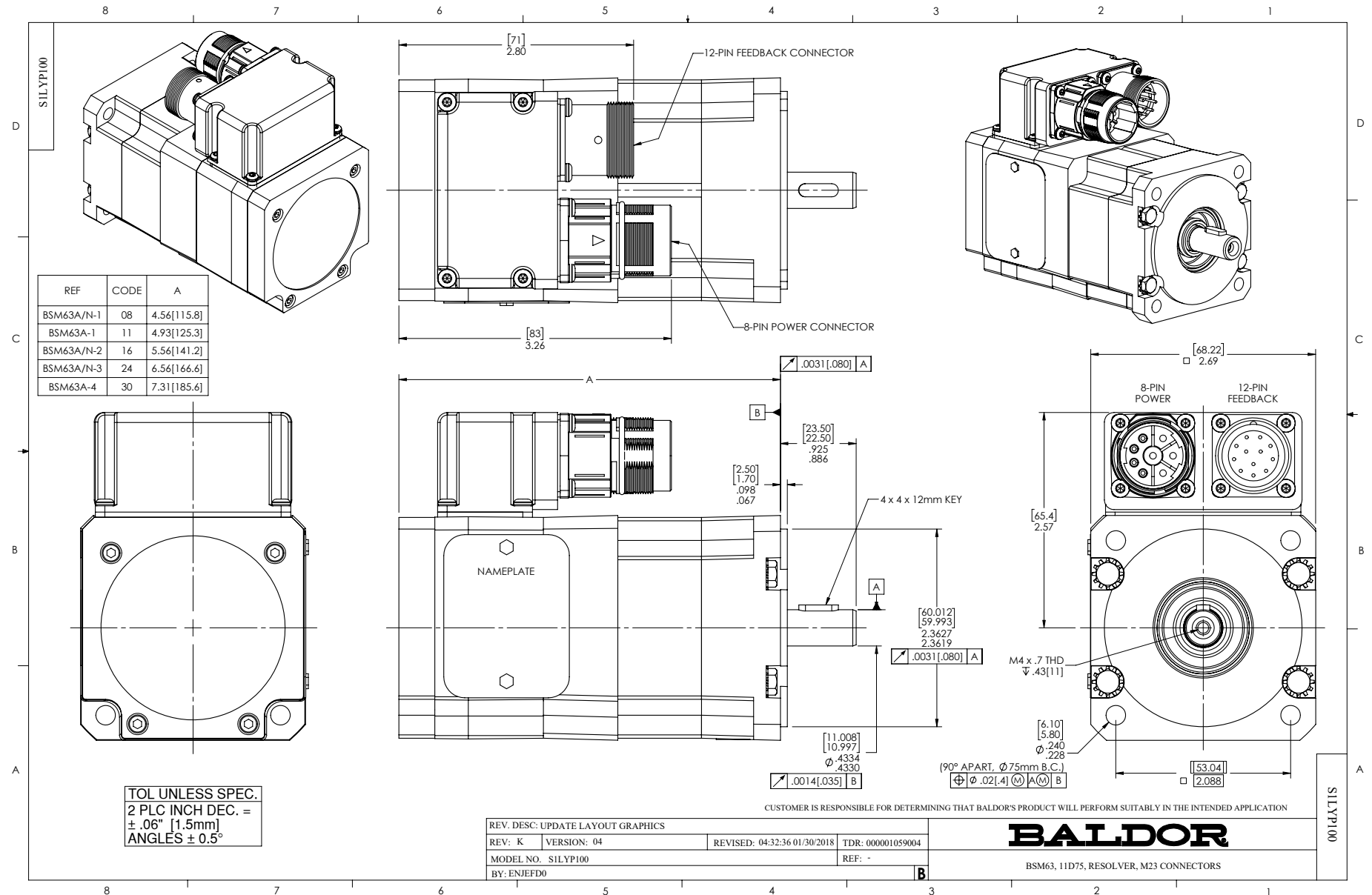
|              |            |
|--------------|------------|
| Revision     | AF         |
| Type         | AC         |
| Mech. spec.  | S1P100     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | S1WGW034   |
| Layout       | S1LYP100   |
| Eff. date    | 12-02-2024 |
| CD Diagram   | CD0006A02  |
| Poles        | 04         |
| Leads        | 3#18       |
| Proprietary  | False      |
| Created date | 01-01-0001 |

Nameplate

| NP2859L                |  |              |    |    |    |     |           |  |   |  |
|------------------------|--|--------------|----|----|----|-----|-----------|--|---|--|
| CAT.                   |  |              |    |    |    |     |           |  |   |  |
| SPEC                   |  | S1P100W034G1 |    |    |    |     |           |  |   |  |
| MFG                    |  |              |    |    |    |     |           |  |   |  |
| TORQ CONT STALL        |  | 1.34 NM      |    |    |    |     |           |  |   |  |
| CUR CONT STALL/A RMS   |  | 1.89         |    |    |    |     |           |  |   |  |
| POWER                  |  | 0.47KW       |    |    |    |     |           |  |   |  |
| RATED SPEED/RPM(1/MIN) |  | 4000         |    |    |    |     |           |  |   |  |
| RATED BUS VOLTS        |  | 320          |    |    |    |     |           |  |   |  |
| PEAK CUR/A RMS         |  | 7.56         |    |    |    |     |           |  |   |  |
| MAX SPEED/RPM(1/MIN)   |  | 10000        |    |    |    |     | WT.       |  | 3 |  |
| CLASS                  |  | F            | IP | 54 | IC | 410 | 25C RATED |  |   |  |

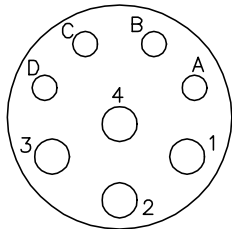
**Accessories**

| Part number      | Description                   | Multiplier |
|------------------|-------------------------------|------------|
| GBSM63-MRP070-5  | Std. Servo Gearbox Ratio 5:1  | E4         |
| GBSM63-MRP070-10 | Std. Servo Gearbox Ratio 10:1 | E4         |
| GBSM63-MRP090-25 | Std. Servo Gearbox Ratio 25:1 | E4         |

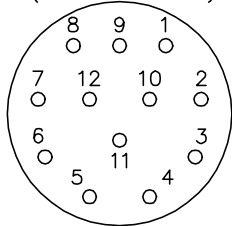


CD1321

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: -

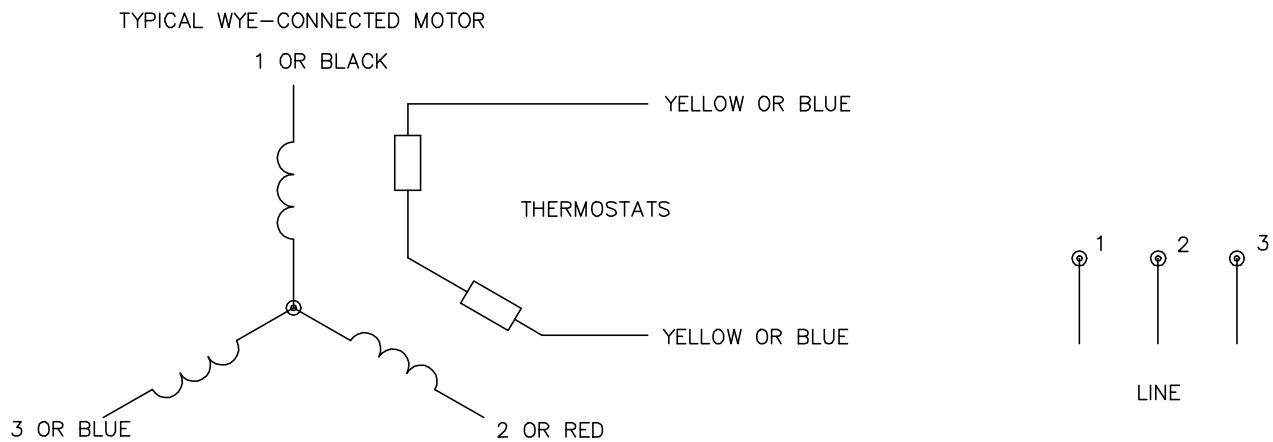


**BALDOR - RELIANCE®**

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