

DWG. NO. 900-181-035



NAME PLATE (ENCODER TYPE) NAME PLATE (RATING INDICATION)

ENCODER

ENCODER CONNECTOR

MOTOR CONNECTOR

0.04 A

φ0.04 A

NAME PLATE

0.02

NAME PLATE (NOTICE MARK)

DUST SEAL

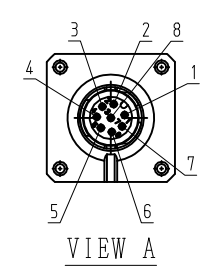
DETAIL OF SHAFT EXTENSION

NOTES.

- 1. ALL DIMENSIONS ARE IN MILLIMETERS.
- 2. MOTOR SPECIFICATIONS :900-172-590
- 3. ENCODER SPECIFICATIONS:900-172-503 (24BIT INCREMENTAL)
- 4. VIBRATION : 15μm OR BELOW AT RATED SPEED.
- 5. PLUGS AND CABLE CLAMPS ARE OPTIONAL.
- 6. READ AND UNDERSTAND DOCUMENT PACKED WITH MOTOR (SAFETY PRECAUTIONS), AND BE CAREFUL USING MOTOR.
- 7. DEGREES OF PROTECTION:IP67 EXCEPT FOR SHAFT OPENING.
- 8. DO NOT TOUCH EACH OF CONNECTOR PINS DIRECTLY. IT CAUSE FAILURE.
- 9. IN CASE OF MOUNTING THIS MOTOR HORIZONTAL, TO PLACE THE CONNECTOR DOWN IS RECOMMENDABLE.
- 10. USE HEXAGON SOCKET HEAD CAP SCREWS FOR MOUNTING MOTOR.
- 11. MOTOR CONNECTOR COULD BE TURNED IN THE RANGE OF ☆ WITHIN 10 TIMES.

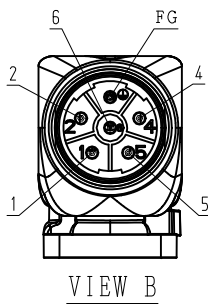
ENCODER TERMINAL CONNECTION

|           |              |
|-----------|--------------|
| 1         | PG5V         |
| 2         | PG0V         |
| 3         | FRAME GROUND |
| 4         | BAT (+)      |
| 5         | BAT (-)      |
| 6         | DATA (+)     |
| 7         | DATA (-)     |
| 8         | -            |
| CON. CASE | FRAME GROUND |

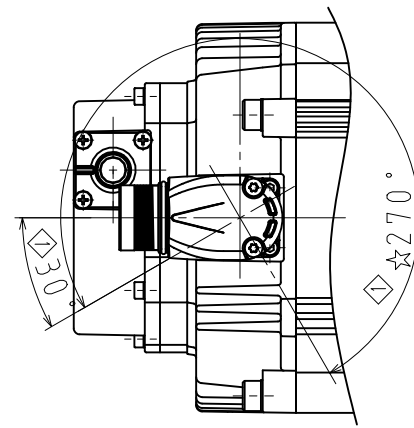


MOTOR TERMINAL CONNECTION

|           |              |
|-----------|--------------|
| 1         | PHASE V      |
| 2         | -            |
| 4         | -            |
| 5         | PHASE U      |
| 6         | PHASE W      |
| FG        | FRAME GROUND |
| CON. CASE | FRAME GROUND |



RECEPTACLE SIZE:M23  
HOUSING:SF-5EP1N8AAD00S  
MAKER:PHOENIX CONTACT



VIEW C

RECEPTACLE SIZE:M12  
HOUSING:SACC-MSQ-M12MS  
-25-3, 2 SCO  
MAKER:PHOENIX CONTACT

| TYPE          | RATED OUTPUT kW | RATED TORQUE N·m | TIME RATING | RATED SPEED min <sup>-1</sup> | VOLTAGE V <sub>rms</sub> | RATED CURRENT A <sub>rms</sub> | THERMAL CLASS | WEIGHT kg | ALLOWABLE RADIAL LOAD F <sub>r</sub> N | ALLOWABLE THRUST LOAD F <sub>s</sub> N |
|---------------|-----------------|------------------|-------------|-------------------------------|--------------------------|--------------------------------|---------------|-----------|--|--|
| SGM7G-20D7F6F | 0.85            | 11.5             | CONT.       | 1500                          | 400 (3PHASE)             | 8.4                            | F             | 8.7       | 490 (AT SHAFT END)                     | 98                                     |

3

Revised

15-07-07

H. KATO/T. HIROSE

DRWN. H. KATO

CHKD. T. HIROSE

APRV. K. AOKI

TITLE

AC SERVOMOTOR Σ-7 SERIES

SGM7G MODEL 1.8kW

DRWN. DATE

Jun. 06' 15

DWG. NO.

900-181-035

REV.

1