

NAME PLATE

(RATING INDICATION)

ENCODER

ENCODER
CONNECTOR

MOTOR
CONNECTOR

NAME PLATE
(NOTICE MARK)

NAME
PLATE

DUST SEAL

DETAIL OF SHAFT EXTENSION

NOTES.

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. MOTOR SPECIFICATIONS : 900-172-590
3. ENCODER SPECIFICATIONS: 900-172-504 (24BIT INCREMENTAL)
4. VIBRATION : 15 μ m 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	-
5	-
6	DATA (+)
7	DATA (-)
8	-
CON. CASE	FRAME GROUND

VIEW A

MOTOR TERMINAL CONNECTION

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


VIEW B

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

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 ⁻¹	VOLTAGE V rms	RATED CURRENT A rms	THERMAL CLASS	WEIGHT kg	ALLOWABLE RADIAL LOAD Fr N	ALLOWABLE THRUST LOAD Fs N
SGM7G-30D7F6F	2.9	18.6	CONT.	1500	400 (3PHASE)	11.9	F	13.6	1470 (AT SHAFT END)	490

F

<div></div>			<div></div>	DRWN.	H. KATO	TITLE AC SERVOMOTOR Σ -7 SERIES	DRWN. DATE	Jun. 08' 15	REV
				CHKD.	T. HIROSE		DWG. NO.	900-181-036	
	3	Revised		15-07-07	H. KATO/T. HIROSE	APRV.	K. AOKI	SGM7G MODEL 2.9kW	

SIZE	A
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