

DWG. NO. 900-181-028

RoHS CE



NAME PLATE  
(ENCODER TYPE)

NAME PLATE  
(RATING INDICATION)  
HOLDING BRAKE

ENCODER

ENCODER  
CONNECTOR

MOTOR  
CONNECTOR

NAME PLATE  
(NOTICE MARK)

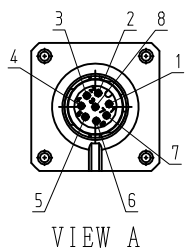
DUST SEAL

DETAIL OF SHAFT EXTENSION

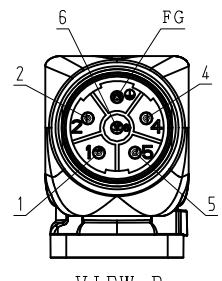
ENCODER TERMINAL CONNECTION

MOTOR TERMINAL CONNECTION

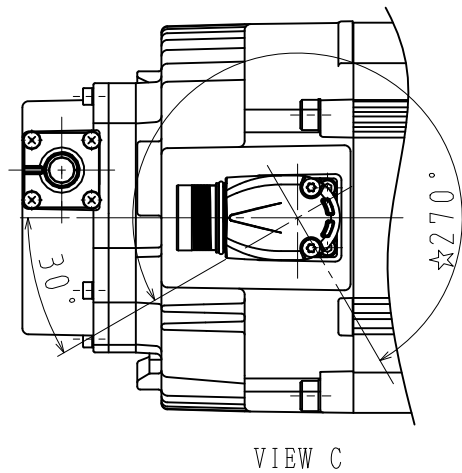
1	PG5V
2	PG0V
3	FRAME GROUND
4	-
5	-
6	DATA (+)
7	DATA (-)
8	-
CON. CASE	FRAME GROUND



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



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



NOTES.

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. MOTOR SPECIFICATIONS : 900-172-590
3. ENCODER SPECIFICATIONS: 900-172-504 (24BIT INCREMENTAL)
4. HOLDING BRAKE CANNOT BE USED TO STOP MOTOR.
5. VIBRATION : 15 $\mu$ m OR BELOW AT RATED SPEED.
6. PLUGS AND CABLE CLAMPS ARE OPTIONAL.
7. READ AND UNDERSTAND DOCUMENT PACKED WITH MOTOR (SAFETY PRECAUTIONS), AND BE CAREFUL USING MOTOR.
8. DEGREES OF PROTECTION: IP67 EXCEPT FOR SHAFT OPENING.
9. DO NOT TOUCH EACH OF CONNECTOR PINS DIRECTLY. IT CAUSE FAILURE.
10. IN CASE OF MOUNTING THIS MOTOR HORIZONTAL, TO PLACE THE CONNECTOR DOWN IS RECOMMENDABLE.
11. USE HEXAGON SOCKET HEAD CAP SCREWS FOR MOUNTING MOTOR.
12. MOTOR CONNECTOR COULD BE TURNED IN THE RANGE OF ☆ WITHIN 10 TIMES.

HOLDING BRAKE SPECIFICATIONS			
MOMENT OF INERTIA GD <sup>2</sup> /4 (kg·m <sup>2</sup> )	HOLDING TORQUE (N·m)	RATED VOLTAGE	CAPACITY (W)
2. 1×10 <sup>-4</sup>	12. 7	DC24V 0~+10%	10

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-09DFFKH	0. 85	5. 39	CONT.	1500	400 (3PHASE)	3. 5	F	7. 6	490 (AT SHAFT END)	98

DRWN. H. KATO

CHKD. T. HIROSE

APRV. K. AOKI

TITLE

AC SERVOMOTOR  $\Sigma$ -7 SERIES

SGM7G MODEL 0. 85 kW

DRWN. DATE

July. 07' 15

DWG. NO.

900-181-028

REV.

SCALE 1 : 2. 5

SIZE A3