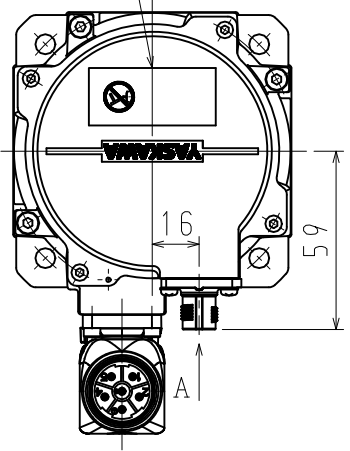


DWG. NO. 900-181-027



NAME PLATE
(ENCODER TYPE)



NAME PLATE
(RATING INDICATION)

HOLDING BRAKE

ENCODER

ENCODER CONNECTOR

MOTOR CONNECTOR

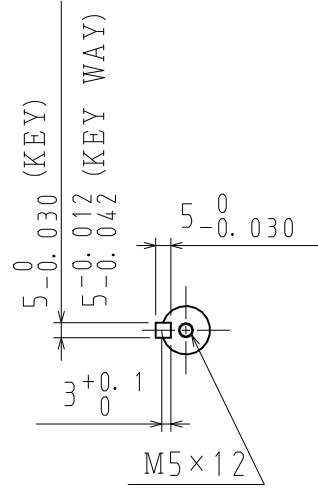
0.04 A

0.04 A

0.02

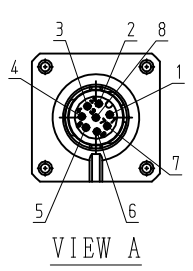
NAME PLATE
(NOTICE MARK)

DUST SEAL



DETAIL OF SHAFT EXTENSION

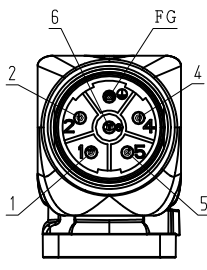
ENCODER TERMINAL CONNECTION



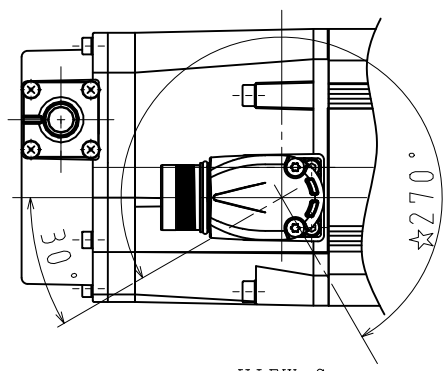
VIEW A

MOTOR TERMINAL CONNECTION

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



VIEW B



VIEW C

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

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

RECEPTACLE SIZE:M12
HOUSING:SACC-MSQ-M12MS
-25-3.2 SCO
MAKER:PHOENIX CONTACT

HOLDING BRAKE SPECIFICATIONS			
MOMENT OF INERTIA $GD^2/4$ (kg·m ²)	HOLDING TORQUE (N·m)	RATED VOLTAGE	CAPACITY (W)
0.25×10 ⁻⁴	4.5	DC24V 0~+10%	10

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 : 15μm 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.

TYPE	RATED OUTPUT kW	RATED TORQUE N·m	TIME RATING	RATED SPEED min ⁻¹	VOLTAGE Vrms	RATED CURRENT Arms	THERMAL CLASS	WEIGHT kg	ALLOWABLE RADIAL LOAD Fr N	ALLOWABLE THRUST LOAD Fs N
SGM7G-05DFF6H	0.45	2.86	CONT.	1500	400 (3PHASE)	1.9	F	4.3	490 (AT SHAFT END)	98

DRWN. H. KATO

CHKD. T. HIROSE

APRV. K. AOKI

YASKAWA

SCALE 1 : 2.5

TITLE AC SERVOMOTOR Σ-7 SERIES

SGM7G MODEL 0.45kW

DRWN. DATE July. 07' 15

DWG. NO. 900-181-027

REV.

SIZE A3