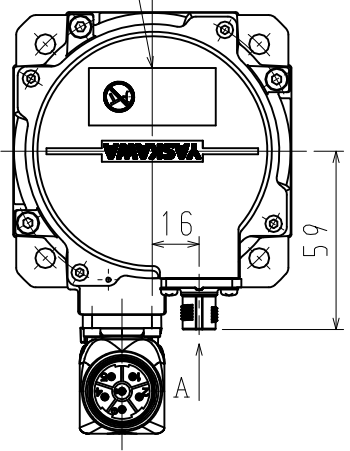


DWG. NO. 900-181-037



NAME PLATE  
(ENCODER TYPE)



NAME PLATE  
(RATING INDICATION)

HOLDING BRAKE

ENCODER

ENCODER CONNECTOR

MOTOR CONNECTOR

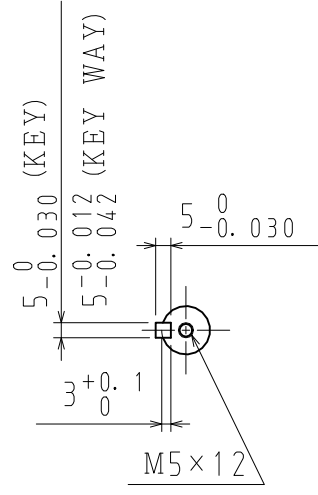
0.04 A

0.04 A

0.02

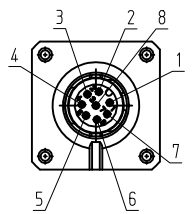
NAME PLATE  
(NOTICE MARK)

DUST SEAL



DETAIL OF SHAFT EXTENSION

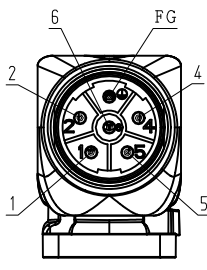
ENCODER TERMINAL CONNECTION



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

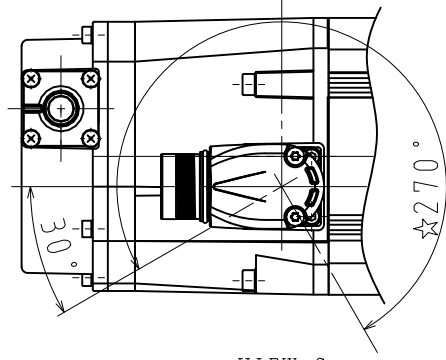


VIEW B

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

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

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



VIEW C

NOTES.

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. MOTOR SPECIFICATIONS :900-172-590
3. ENCODER SPECIFICATIONS:900-172-503 (24BIT ABSOLUTE)
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.

HOLDING BRAKE SPECIFICATIONS			
MOMENT OF INERTIA GD <sup>2</sup> /4 (kg·m <sup>2</sup> )	HOLDING TORQUE (N·m)	RATED VOLTAGE (V)	CAPACITY (W)
0.25×10 <sup>-4</sup>	4.5	DC24V 0~+10%	10

TYPE	RATED OUTPUT kW	RATED TORQUE N·m	TIME RATING	RATED SPEED min <sup>-1</sup>	VOLTAGE Vrms	RATED CURRENT Arms	THERMAL CLASS	WEIGHT kg	ALLOWABLE RADIAL LOAD Fr N	ALLOWABLE THRUST LOAD Fs N
SGM7G-05D7F6H	0.45	2.86	CONT.	1500	400 (3PHASE)	1.9	F	4.3	490 (AT SHAFT END)	98

SCALE 1 : 2.5

DRWN. H. KATO

CHKD. T. HIROSE

APRV. K. AOKI

TITLE

AC SERVOMOTOR Σ-7 SERIES

SGM7G MODEL 0.45kW

DRWN. DATE

July. 07' 15

DWG. NO.

900-181-037

REV.

SIZE A3