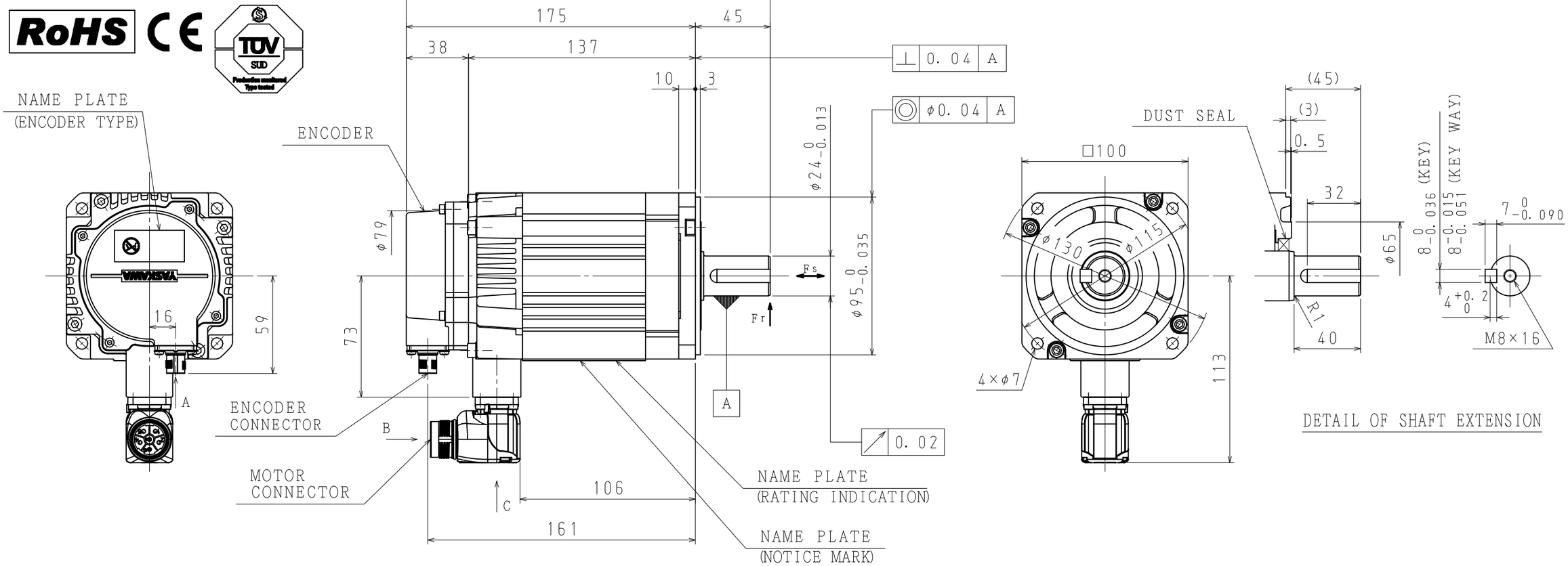
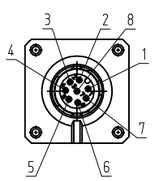
DWG. NO. 900-181-043



ENCODER TERMINAL CONNECTION

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

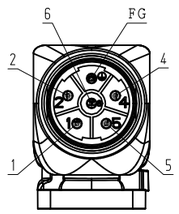


VIEW A

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

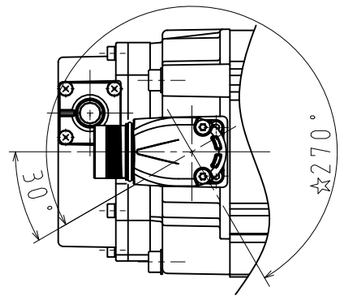
MOTOR TERMINAL CONNECTION

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



VIEW C

NOTES.

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. MOTOR SPECIFICATIONS :900-172-604
3. ENCODER SPECIFICATIONS:900-172-504 (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.

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
SGM7A-20DFF6F	2.0	6.36	CONT.	3000	400 (3PHASE)	6.1	F	5.5	686 (AT SHAFT END)	196

SCALE 1 :2.5

YASKAWA

DRWN.	H. KATO
CHKD.	T. HIROSE
APRV.	K. AOKI

TITLE AC SERVOMOTOR Σ-7 SERIES
SGM7A MODEL 2.0kW

DRWN. DATE July.'15
DWG. NO. 900-181-043
REV.

SIZE A3