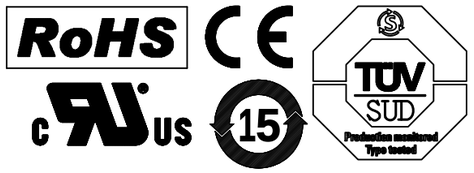
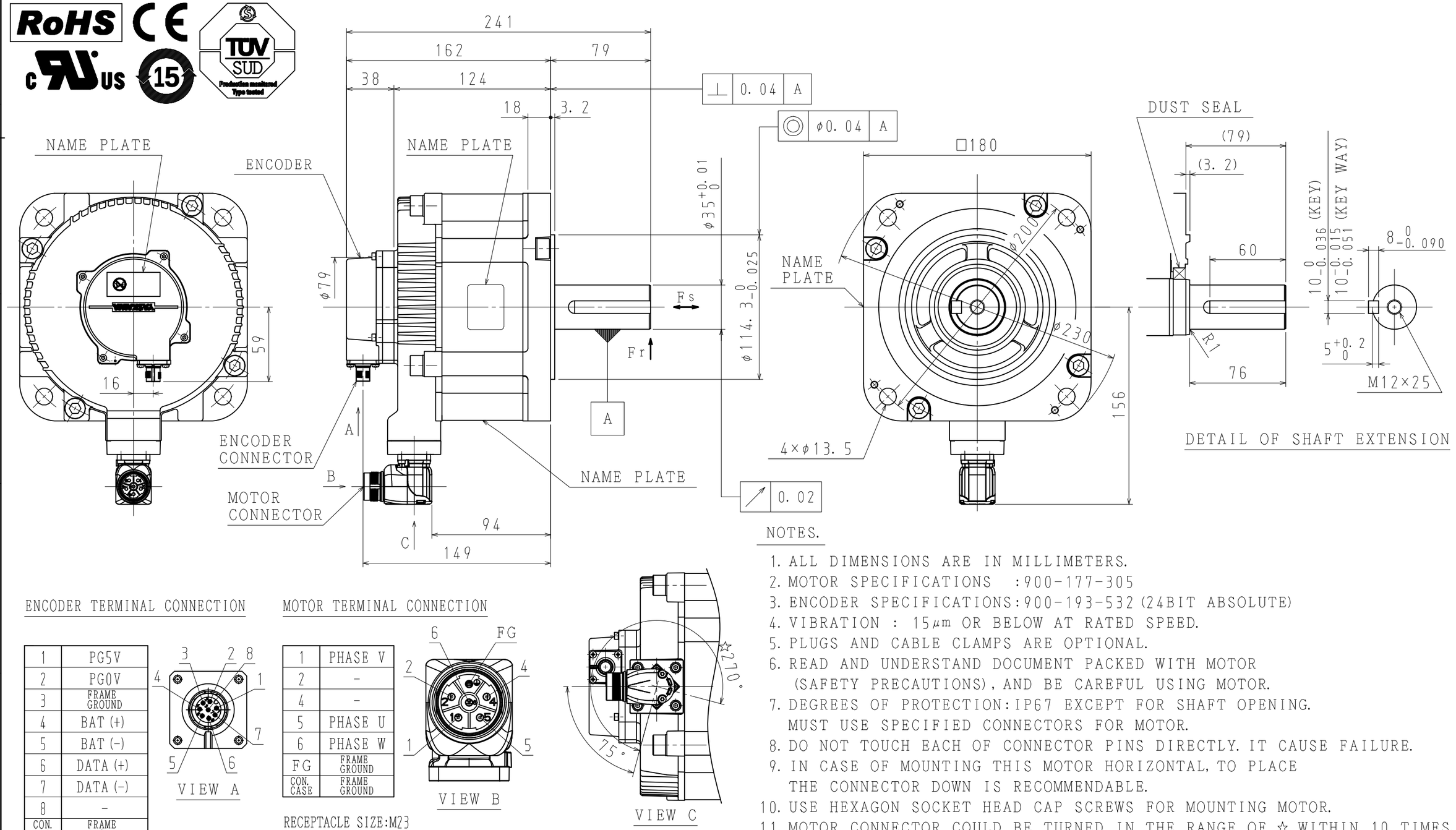
DWG. NO. 900-191-764





DETAIL OF SHAFT EXTENSION

NOTES.

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. MOTOR SPECIFICATIONS :900-177-305
3. ENCODER SPECIFICATIONS:900-193-532(24BIT ABSOLUTE)
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. MUST USE SPECIFIED CONNECTORS FOR MOTOR.
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	BAT (+)
5	BAT (-)
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

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-30D7R6F	2.9	18.6	CONT.	1500	400 (3PHASE)	15.7	F	14.0	1470 (AT SHAFT END)	490

SCALE 1:3	YASKAWA	DRWN.	K. INOUE
		CHKD.	T. HIROSE
		APRV.	K. AOKI

TITLE AC SERVOMOTOR Σ-7 SERIES
SGM7G MODEL 2.9kW

DRWN. DATE Oct. 22 '16
DWG. NO. 900-191-764
REV.

SIZE A3