

ENCO
CONN.

ENCODER

ER
CTOR

OR
NECTOR

73

$\phi 79$

B

90

145

$\phi 24_{-0.0}^{0.0}$

$\phi 95_{-0.035}^{0.0}$

F_r

F_s

A

C

NAME PLATE
(RATING INDICATION)

NAME PLATE
(NOTICE MARK)

0.0

NAME PLATE
(NOTICE MARK)

Technical drawing of a shaft extension detail, showing three views: front view, side view, and detail view of the keyway.

Front View:

- Overall width: $\square 100$
- Overall height: 113
- Central shaft hole diameter: $\phi 130$
- Inner hole diameter: $\phi 115$
- Four mounting holes: $4 \times \phi 7$
- Dust seal indicated by a label and arrow.

Side View:

- Shaft extension length: (45)
- Keyway depth: (3)
- Keyway width: 0.5
- Key height: 32
- Shaft diameter: $\phi 65$
- Key length: 40
- Key profile: R1

Detail View of Keyway:

- Key height: $8_{-0.036}^{0}$ (KEY)
- Keyway depth: $8_{-0.051}^{-0.015}$ (KEY WAY)
- Key length: $4_{0}^{+0.2}$
- Key profile: M8 x 16

DETAIL OF SHAFT EXTENSION

DETAIL OF SHAFT EXTENSION

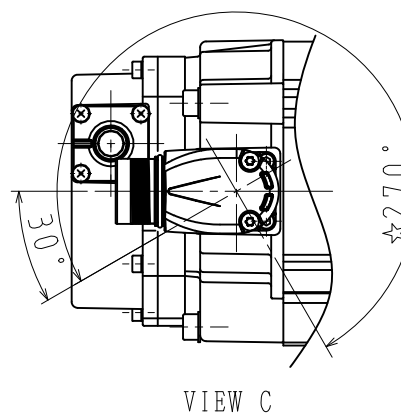
MOTOR TERMINAL CONNECTION

RECEPTACLE SIZE:M12
HOUSING:SACC-MSQ-M12MS
-25-3, 2 SCO
MAKER:PHOENIX CONTACT

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


VIEW D

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



1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. MOTOR SPECIFICATIONS : 900-172-604
3. ENCODER SPECIFICATIONS: 900-172-504 (24BIT INCREMENTAL)
4. VIBRATION : $15\mu\text{m}$ 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 V _{rms}	RATED CURRENT A _{rms}	THERMAL CLASS	WEIGHT kg	ALLOWABLE RADIAL LOAD F _{rN}	ALLOWABLE THRUST LOAD F _{sN}
SGM7A-15DFF6F	1.5	4.9	CONT.	3000	400 (3PHASE)	4.7	F	4.7	686 (AT SHAFT END)	196

F			DRWN.	H. KATO	TITLE AC SERVOMOTOR Σ -7 SERIES SGM7A MODEL 1.5kW	DRWN. DATE	July. 01' 15	REV
			CHKD.	T. HIROSE		DWG. NO.	900-181-042	
			APRV.	K. AOKI				

SIZE	A3
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