

SANMOTION
AC SERVO SYSTEMS **RS3**

230
VAC

PULSE TRAIN
ANALOG INPUT

ULTRA
COMPACT
SIZE

3rd
GENERATION!

230 VAC SERVOAMPLIFIERS

RS3 SERIES AC SERVOAMPLIFIERS - TRADITIONAL INTERFACE

FIVE DIGIT DISPLAY AND OPERATION KEY: It allows to view and modify parameters and monitor in real time the behavior of the system.

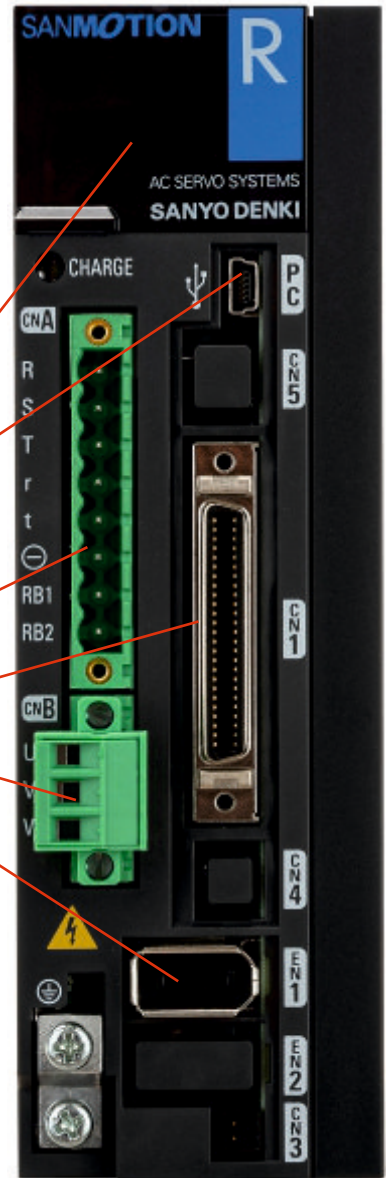
PC CONNECTOR: The amplifier can be set and monitored by means of Personal Computer USB interface.

POWER CONNECTOR: 230VAC, single-phase or three-phase (configurable by user). Power sections kept separated for logic/signal and power electronics. Built-in protection circuits against overload and input overvoltage.
External regenerative resistor (optional).

I/O CONNECTOR: Control pulse train (clock + direction; forward + backward pulse; 90° phase shift) or analog signal (proportional to speed or torque). 8 inputs and 8 outputs.

MOTOR POWER CONNECTOR

ENCODER CONNECTOR



MAIN FEATURES OF THE 3rd GENERATION

- Speed frequency response of 2.2 kHz [3.3 times that of previous RS1 models!]
- One single size covers 100W, 200W, 400W, 750W, 1000W, 1500W motors
- CN1 connector wiring fully compatible with previous RS1 models
- Sanmotion Motor Setup allows multitasking system settings

CE **UL** **US**

Dimensions:
(50x160x130)
RS3A03A0AL0W00

TECHNICAL DATA	Position, Velocity, Torque Control Mode Switching available
MODEL	RS3A03A0AL0W00
MAX CURRENT	30 Amp
MOTOR OUTPUT STAGE	IGBT, PWM control, sinusoidal current
POWER SUPPLY VOLTAGE	Single-phase or three-phase (configurable by the user) 200 VAC to 230 VAC (+10%, -15%) 50/60 Hz (± 3 Hz)
LOGIC SUPPLY VOLTAGE	Single-phase from 200 VAC to 230 VAC (+10%, -15%) 50/60 Hz (± 3 Hz)
DIMENSIONS (mm)	50x160x130
MASS (kg)	0.8

SANMOTION
AC SERVO SYSTEMS **RS3**

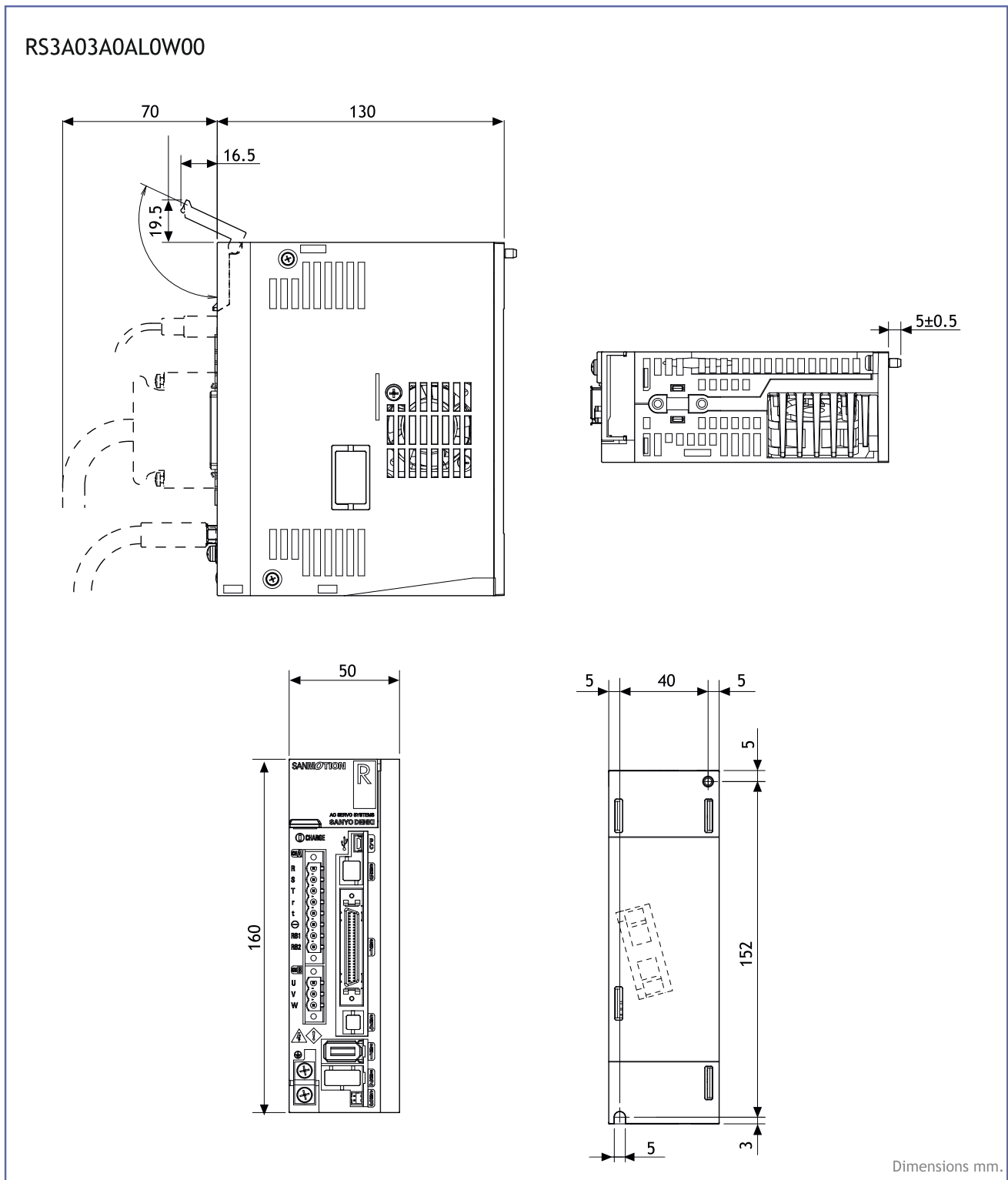
230
VAC

SIL3
SAFE TORQUE
OFF (STO)

**PULSE TRAIN
ANALOG INPUT**

**ULTRA
COMPACT
SIZE**

“RS3A” SERIES AC SERVOAMPLIFIERS: PULSE TRAIN AND ANALOG INPUT VERSION OUTLINE DRAWINGS



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