

SANMOTION
AC SERVO SYSTEMS **RS3**

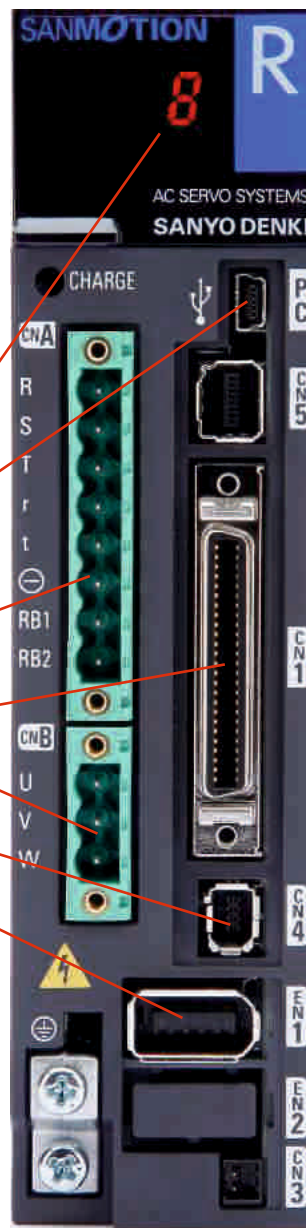
230
VAC

SIL3
SAFE TORQUE
OFF (STO)

**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 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 setting by user.

MOTOR POWER CONNECTOR

SAFE TORQUE OFF - SIL3 CONNECTOR



ENCODER CONNECTOR

MAIN FEATURES OF THE 3rd GENERATION



- Safe Torque Off (STO) function - SIL3/IEC61508 Performance Level - PL = e/ISO13849-1
- Speed frequency response of 2.2 kHz [3.3 times that of previous RS1 model!]
- Ultra compact size - see photo

Dimensions:
(40x160x130)
Model RS3A02A0AL2



TECHNICAL DATA	Position, Velocity, Torque (Control Mode Switching available)		
	RS3A03A0AL2	RS3A05A0AA2	RS3A10A0AA2
MODEL	RS3A03A0AL2	RS3A05A0AA2	RS3A10A0AA2
MAX CURRENT	30 Amp	50 Amp	100 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	85x160x130	100x235x220
MASS (kg)	0.85	1.55	4.2

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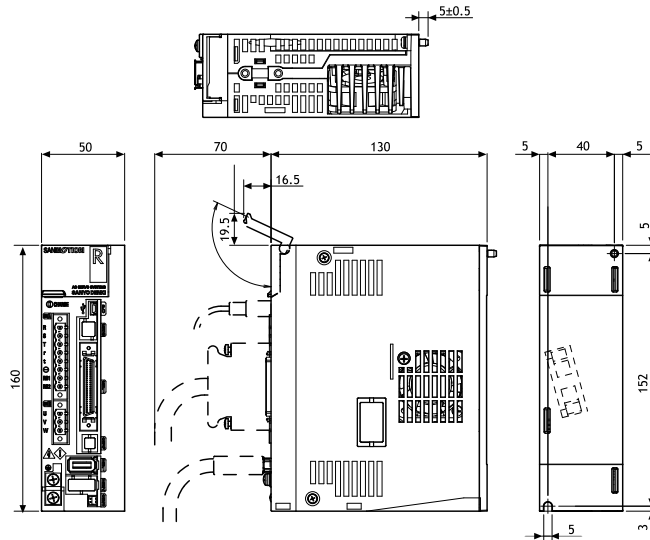
SIL3
SAFE TORQUE
OFF (STO)

**PULSE TRAIN
ANALOG INPUT**

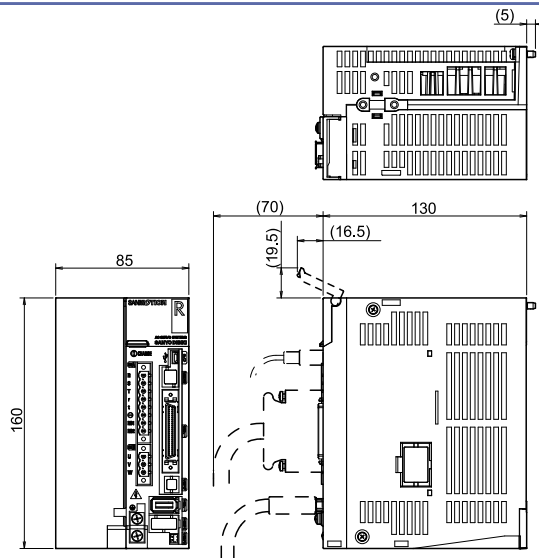
**ULTRA
COMPACT
SIZE**

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

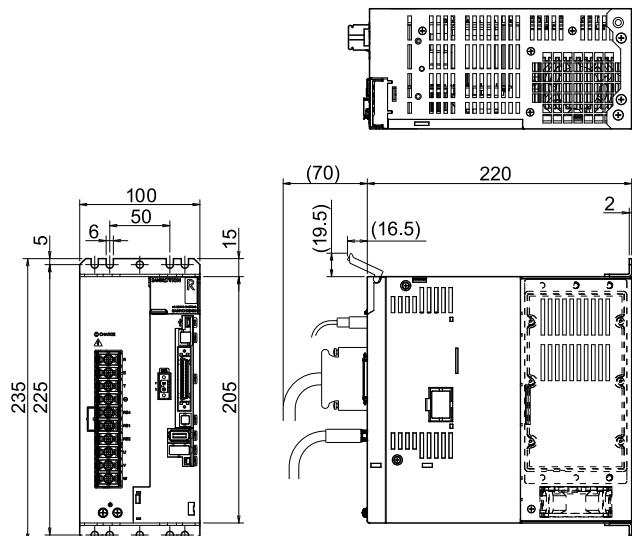
RS3A03A0AL2



RS3A05A0AA2



RS3A10A0AA2



Dimensions mm.



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