

SANMOTION
AC SERVO SYSTEMS **RS3**

230
VAC

SIL3
SAFE TORQUE
OFF (STO)

EtherCAT

3rd
GENERATION!

230 VAC SERVOAMPLIFIERS

**ADVANCED SAFETY
MODULE**

RS3 SERIES AC SERVOAMPLIFIERS - EtherCAT INTERFACE & STO

FIVE DIGIT DISPLAY: It allows to monitor amplifier and EtherCAT Network.

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. Built-in protection circuits against overload and input overvoltage.

Internal regenerative resistor. External regenerative resistor (optional)

EtherCAT INTERFACE CONNECTOR: RJ45 - CAT5e.

I/O CONNECTOR: 7 inputs and 2 outputs.

MOTOR POWER CONNECTOR - CONNETTORE POTENZA MOTORE

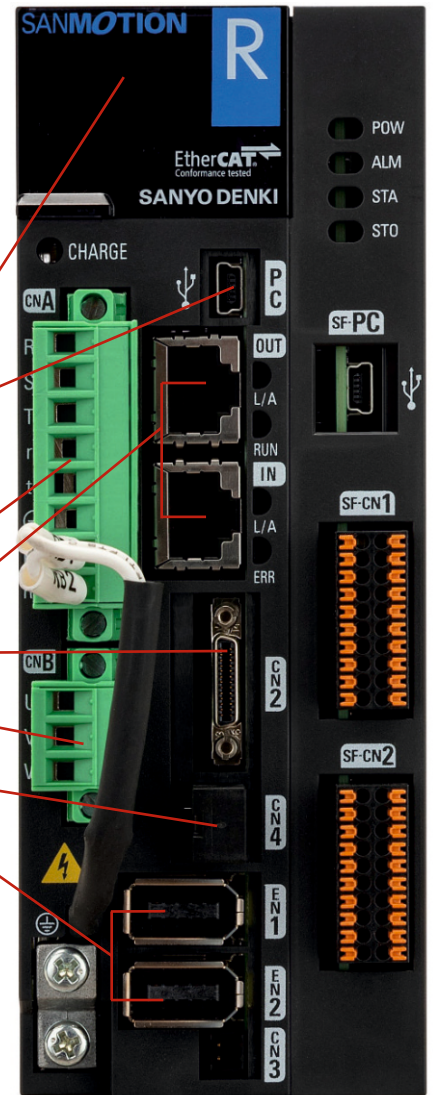
SAFE TORQUE OFF SIL3 CONNECTOR



SECOND ENCODER CONNECTOR FOR EXTERNAL LINEAR SCALE TO AVOID BACKLASH

MAIN FEATURES OF THE 3rd GENERATION

- Mode of Operation: Homing Mode, Profile Velocity Mode, Profile Position Mode, Profile Torque Mode, Cycle Sync Position Mode, Cycle Sync Velocity Mode, Cycle Sync Torque Mode.
- Touch Probe Function.
- Speed frequency response of 2.2 kHz [3.3 times that of previous RS1 model!]
- Safe Torque Off (STO) function - SIL3/IEC61508. Performance Level - PL = e/ISO13849-1
- One single size covers 100W, 200W, 400W, 750W, 1000W, 1500W motors



Dimensions:
(60x160x130)
Model RS3A03A2HAE

**ADVANCED SAFETY
MODULE**



TECHNICAL DATA	EtherCAT Control
MODEL	RS3A03A2HAE
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 or 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)	60x160x130
MASS (kg)	1.1

SAFETY FUNCTION SPECIFICATIONS	
	DESCRIPTION
STO	SAFE TORQUE OFF
SS1	SAFE STOP 1
SS2	SAFE STOP 2
SOS	SAFE OPERATING STOP
SLS	SAFELY-LIMITED SPEED
SBC	SAFE BRAKE CONTROL
SSM	SAFE SPEED MONITOR

“RS3A” SERIES AC SERVOAMPLIFIERS:

EtherCAT VERSION OUTLINE DRAWINGS

