MODEL 353

Product Data Sheet

353A4F1NNNNNNA4

Process automation controller

RATED AC SUPPLY	PERMISSIBLE AC SUPPLY	SUPPLY FREQUENCY	MAXIMUM ACTIVE POWER
120/240 V AC	**85 to 264 V AC**	**47 to 63 Hz**	**25 W**

Siemens 353A4F1NNNNNNA4 is a Model 353 process automation controller for configurable loop control, logic and sequencing. It combines front-panel operation with a library of control strategies and function blocks, allowing multiple process-control functions to be implemented within one panel-mounted instrument.

01 TECHNICAL DATA

Rated AC supply	120/240 V AC
Permissible AC supply	85 to 264 V AC
Supply frequency	47 to 63 Hz
Maximum active power	25 W
Maximum apparent power	40 VA
Transmitter supply	25 V DC ±3 V
Transmitter supply current	120 mA, short-circuit protected
Minimum scan time	20 ms, configuration dependent
Analog input range	1 to 5 V; 4 to 20 mA with 250 Ω resistor
Base analog inputs	3

02 ADDITIONAL PRODUCT DATA

Base digital inputs	3
Base analog outputs	2
Analog output span	4 to 20 mA
Maximum analog output load	800 Ω
Operating temperature	0 to +50 °C

03 PRODUCT FUNCTION

The A power configuration accepts 120/240 V AC over an 85-264 V range at 47-63 Hz. Standard controller I/O includes three analog inputs, three digital inputs, two analog outputs and two transistor outputs; the selected expansion hardware adds further I/O. Analog outputs provide 4-20 mA into loads up to 800 ohms, and the minimum scan time is 20 ms depending on the configuration.

04 SYSTEM COMPATIBILITY

Provide 85-264 V AC at 47-63 Hz and allow up to 25 W or 40 VA. Standard analog inputs accept 1-5 V; 4-20 mA connections use the specified 250-ohm resistor. Keep each analog output load within 800 ohms.

05 DOCUMENT BASIS

Siemens manufacturer documentation. Selected source pages: 1, 2, 3, 4, 5.

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**