

AS-INTERFACE SLIMLINE COMPACT SC22.5

Product Data Sheet

3RK1207-3CE00-2AA2

Four Channel RTD Input Module

ANALOG INPUT COUNT	SUPPORTED RESISTANCE SENSORS	STANDARD PT100 RANGE	CLIMATIC PT100 RANGE
4	Pt100 and Ni100	-200 to 850 deg C	-120 to 130 deg C

Siemens 3RK1207-3CE00-2AA2 is a four channel rtd input module in the AS-Interface SlimLine Compact SC22.5 range. It is used for distributed resistance-temperature acquisition on compatible AS-Interface networks in compatible industrial automation projects.

01 VERIFIED TECHNICAL DATA

Analog input count	4
Supported resistance sensors	Pt100 and Ni100
Standard Pt100 range	-200 to 850 deg C
Climatic Pt100 range	-120 to 130 deg C
Ni100 measurement range	-60 to 250 deg C
Resistance measurement range	0 to 600 ohm
Input resistance	2 Mohm
Measuring current	1.667 mA
Ground-referenced destruction limit	±10 V
Differential destruction limit	±20 V

ADDITIONAL PRODUCT DATA

Sensor wiring	4-wire, with 2-wire/3-wire simulation
ADC resolution	15 bit plus sign
AS-i slave profile	7.3.E standard address
Interference-frequency filtering	50 Hz or 60 Hz
Field-terminal technology	Screw terminals

DOCUMENTED USE SETTINGS

Food Processing and Beverage Production: Food Processing and Production.

Chemical and Petrochemical Production Processes: Industrial Chemical Process Control.

Water Supply and Municipal Wastewater Treatment: Drinking Water Treatment Processes.

SYSTEM COMPATIBILITY

Integrate 3RK1207-3CE00-2AA2 only in the documented AS-Interface SlimLine Compact SC22.5 configuration. Match the installed interfaces and the engineered application before selecting this four channel rtd input module.

PRODUCT EVIDENCE

Siemens AS-Interface SlimLine Compact, A5E33414181002A/RS-AE/005, 08/2021; RTD sections 9.4.5 and applicable SC22.5 drawing

AMIKON PRODUCT SUPPORT

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