

PACSYSTEMS RX3i

Product Data Sheet

IC694ALG223-DB

Analog Current Input Module

INPUT CHANNELS	INPUT CURRENT RANGES	MODULE UPDATE TIME	4-20 mA RESOLUTION
1 to 16 selectable; single-ended	0-20 mA; 4-20 mA; 4-20 mA enhanced	13 ms for all 16 channels	4 microA per count

IC694ALG223-DB is an Analog Current Input Module in the PACSystems RX3i family. It acquires current-loop measurements in compatible RX3i analog I/O installations.

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VERIFIED TECHNICAL DATA

Input channels	1 to 16 selectable; single-ended
Input current ranges	0-20 mA; 4-20 mA; 4-20 mA enhanced
Module update time	13 ms for all 16 channels
4-20 mA resolution	4 microA per count
0-20 mA resolution	5 microA per count
Enhanced-mode resolution	5 microA per count
Accuracy at 25deg C	±0.25% of full scale
Accuracy over temperature	±0.5% of full scale
Linearity	Less than 1 LSB
Field-to-backplane isolation	250 V AC continuous; 1500 V AC for 1 minute

ADDITIONAL PRODUCT DATA

Channel crosstalk rejection	Greater than 80 dB, DC to 1 kHz
Input impedance	250 ohm
Low-pass filter response	19 Hz
External supply voltage	20 to 30 V DC; 10% ripple maximum
Power consumption	120 mA at backplane 5 V; 65 mA at external 24 V, excluding loops

DOCUMENTED USE SETTINGS

Water Treatment and Wastewater Processing: Municipal Drinking Water Treatment.

Industrial Manufacturing and Production Automation: Industrial Production and Assembly.

Chemical Manufacturing and Process Production: Industrial Chemical Production.

SYSTEM COMPATIBILITY

IC694ALG223-DB belongs to the PACSystems RX3i platform and serves as an Analog Current Input Module. Match the complete article code and installed hardware revision before using the applicable manufacturer documentation.

PRODUCT EVIDENCE

GE Fanuc GFK-2314C, chapter 9, IC694ALG223