

GENERAL ELECTRIC VERSAMAX

IC200ALG264

15-Bit 15-Channel Analog Current Input Module

General Electric IC200ALG264 is a VersaMax 15-channel single-ended analog current input module for 4-20 mA or 0-20 mA signals.

Verified technical data

Field	Officially documented value
Analog inputs	15 single-ended channels in one group
Input range selection	4 to 20 mA default with no jumper; 0 to 20 mA with the carrier-terminal jumper installed
Converter resolution	15 bit
Resolution, 4 to 20 mA	0.5 μ A per count
Resolution, 0 to 20 mA	0.625 μ A per count
Input impedance	100 Ω
Maximum update rate	7.5 ms per module
Accuracy at 25 °C	$\pm$ 0.3% typical of full scale; $\pm$ 0.5% maximum of full scale
Accuracy from 0 to 60 °C	$\pm$ 1% maximum of full scale
Filter response	24 Hz $\pm$ 20% at the 3 dB corner frequency
Input fault withstand	+3 V
Isolation	250 V AC continuous; 1500 V AC for 1 minute, input-to-logic/frame
Channel-to-channel isolation	None
5 V backplane consumption	100 mA maximum
External power supply	None for module operation; field transceivers require an external source
Diagnostics	Loss of internal power; open-wire detection for 4-20 mA signals only

Selection checkpoints

- The module converts fifteen single-ended 4-20 mA or 0-20 mA channels into input words for the connected VersaMax CPU or network interface unit.
- Before installation or replacement, verify the hardware revision, current range, jumper position, shared return, transmitter power, carrier terminals, shielding, scaling, and saved configuration.
- IC200ALG264 uses one shared return and a terminal jumper for 0-20 mA; confirm range, transmitter power, carrier wiring, shielding, scaling, diagnostics, and saved input mapping.

Documented applications

- Fifteen-channel 4-20 mA transmitter acquisition in light process control
- High-density 0-20 mA sensor monitoring in complex-machine systems
- Analog feedback collection in VersaMax distributed-I/O applications

Verified revision identifiers

IC200ALG264C, IC200ALG264D, IC200ALG264E, IC200ALG264F, IC200ALG264G, IC200ALG264H, IC200ALG264J, IC200ALG264K, IC200ALG264L

Important selection note

Confirm the complete IC200ALG264 catalog identity, actual label revision, carrier and terminal arrangement, electrical limits, controller or NIU compatibility, configuration, and saved project before installation or replacement.