

EMERSON OVATION

5X00070G03

eight-channel high-speed analog-input electronics module

Product identity and technical data

Manufacturer	Emerson
Part number	5X00070G03
Product family	Ovation I/O
Product type	High-speed analog-input electronics module
Channels	8 individually isolated inputs
Resolution	14-bit
Sampling rate	50 or 60 samples per second
Voltage input ranges	± 5 V and ± 10 V
Companion personality module	1C31227G02
System interface	Ovation Serial I/O Bus

Product summary

Emerson 5X00070G03 is an eight-channel high-speed analog-input electronics module for the Ovation I/O system.

It converts individually isolated ± 5 V or ± 10 V input channels at 14-bit resolution and supports 50 or 60 samples per second.

Before installation, match the 1C31227G02 personality module, input range, field wiring, isolation, channel scaling and Ovation Serial I/O Bus configuration.

Configuration and selection checks

Additional technical data

Certification context	Documented for CE Mark certified systems
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Acquisition

- Eight input channels are individually isolated.
- Analog-to-digital conversion uses 14-bit resolution.
- The module supports 50 or 60 samples per second.

Ranges

- The documented bipolar voltage ranges are ± 5 V and ± 10 V.
- Range and scaling must match the connected field signal.
- The electronics module performs conversion and transfers channel data to the Ovation Serial I/O Bus.

Pairing

- Use the documented 1C31227G02 personality module.
- The personality module provides the documented field-side surge-protection function.
- Verify electronics-module, personality-module and base wiring as one complete assembly.