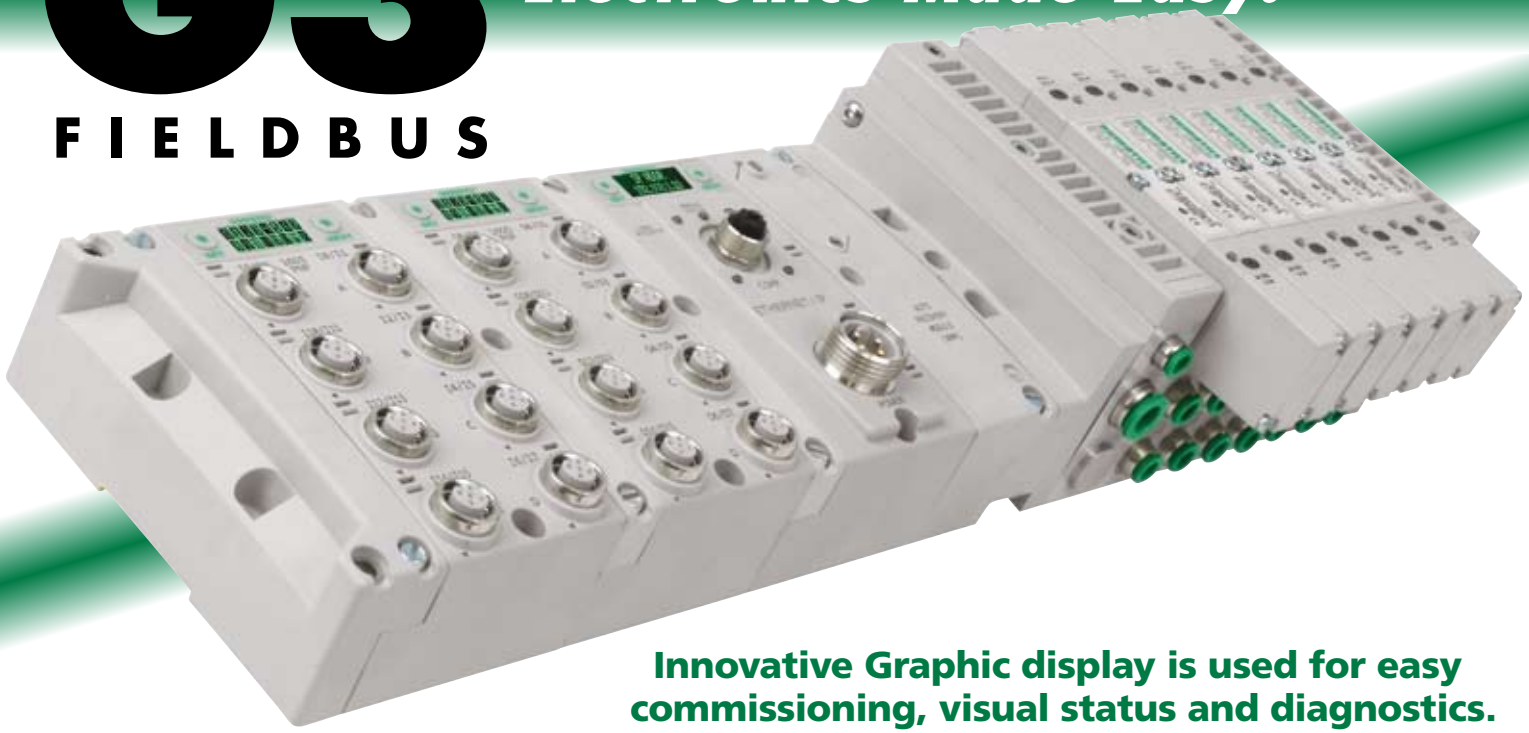
G3 FIELDBUS

Electronics Made Easy!



Innovative Graphic display is used for easy commissioning, visual status and diagnostics.

Commissioning Capabilities

- Set network address
- Set baud rate
- Set auto or manual I/O sizes
- Set fault/idle output states
- Set brightness
- Set factory defaults

Visual diagnostics

- Shorted and open load detection
- Shorted sensor/cable detection
- Low and missing power detection
- Missing module detection
- Self-tests activation
- Log of network errors / Distribution errors

Graphic display for configuration & diagnostics

Auto Recovery Module

Highly distributable

Easy, Robust connections

Benefits:

- SPEEDCON M12 connector technology allows for fast and efficient ½ turn I/O connector insertion
- Power connector scheme allows output power to be removed while inputs and communication are left active
- IP65/NEMA 4 Protection
- Auto Recovery Module (ARM) protects configuration information during a critical failure
- Novel "clip" design allows easy module removal/replacement without dismantling manifold
- Interfaces to valves with flow from 275 up to 3820 l/mn ANR
- "On line" CAD files, 85 formats

numatics®

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EMERSON™
Industrial Automation

G3 Platform Distribution Options

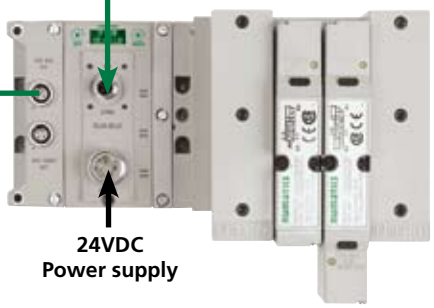
Easy, Cost Effective Solutions for Digital I/O and Valve Automation using G3 Electronics.

Main Fieldbus Manifold

I/O only

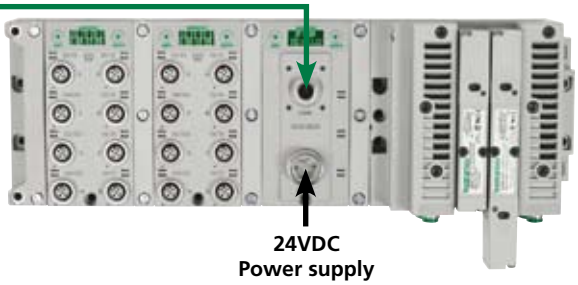
Optional 24V DC
AUX power

Sub-Bus Manifold with valves



24VDC
Power supply

Sub-Bus Manifold with I/O & Valves



24VDC
Power supply

Distribution Benefits

- Up to 512 Input/Output capability with one communication node!
- 32 valve solenoid per manifold up to 16 manifolds per communication node!
- One node supports 16 I/O modules-Analog I/O, Digital I/O (NPN & PNP)
- Unique distribution system allows system efficiency by allowing the same modules to be used in either centralized or distributed applications

Supported protocols:

- DeviceNet
- DeviceNet w/Quick Connect
- Ethernet IP
- PROFIBUS-DP
- CANopen®
- PROFINET
- MODBUS TCP

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