

PROFILE

The **G3-DA8** module has 8 isolated analog outputs that can be used to send reference signals to drives, servocontrols, power solid state relays with linear input, or retransmit variables to recording devices / other units, etc.

Outputs can be software configurable as voltage output ($\pm 10V$) or current output (0...20mA, 4...20mA).

G3-DA8 can be used with all the G-Mation gateways and Px modules from which it receives power supply for control electronics. It needs an external $+24V \pm 25\%$, 0.5A max for field signals.

G3-DA8 can refresh 8 analog outputs in less than $80\mu s$, allowing fast and accurate closed loop and process control applications in combination with fast Ethernet real time communication protocols.

The outputs are protected against short circuit and overload.



TECHNICAL DATA

8 analog inputs	16 bit A/D conversion
Refresh time	< 80 μs for 8 channels (includes analog settling time)
Power supply	From G3-ECAT or Px CPU modules for control electronics, $+24V \pm 25\%$, 0.5A max for field signals
Output types	Linear $\pm 10V$ max 20mA each channel Linear 0...20mA, 4...20mA, max 600 Ω load
Accuracy	Better than 0.1% at full scale over the entire temperature range -10°C to +60°C
Overvoltage Category	II
Power dissipation	1,2 W, 5%

MECHANICAL DATA

Dimensions	120x110x20 mm
Weight	150 g
Protection level	IP20 For UL: not UL evaluated. Open type device
Connector	Front 24 pin-5.08 mm pitch removable connection system with spring wire retention, no tool required to fix or remove wires
Attachment	mechanically snaps onto DIN rail

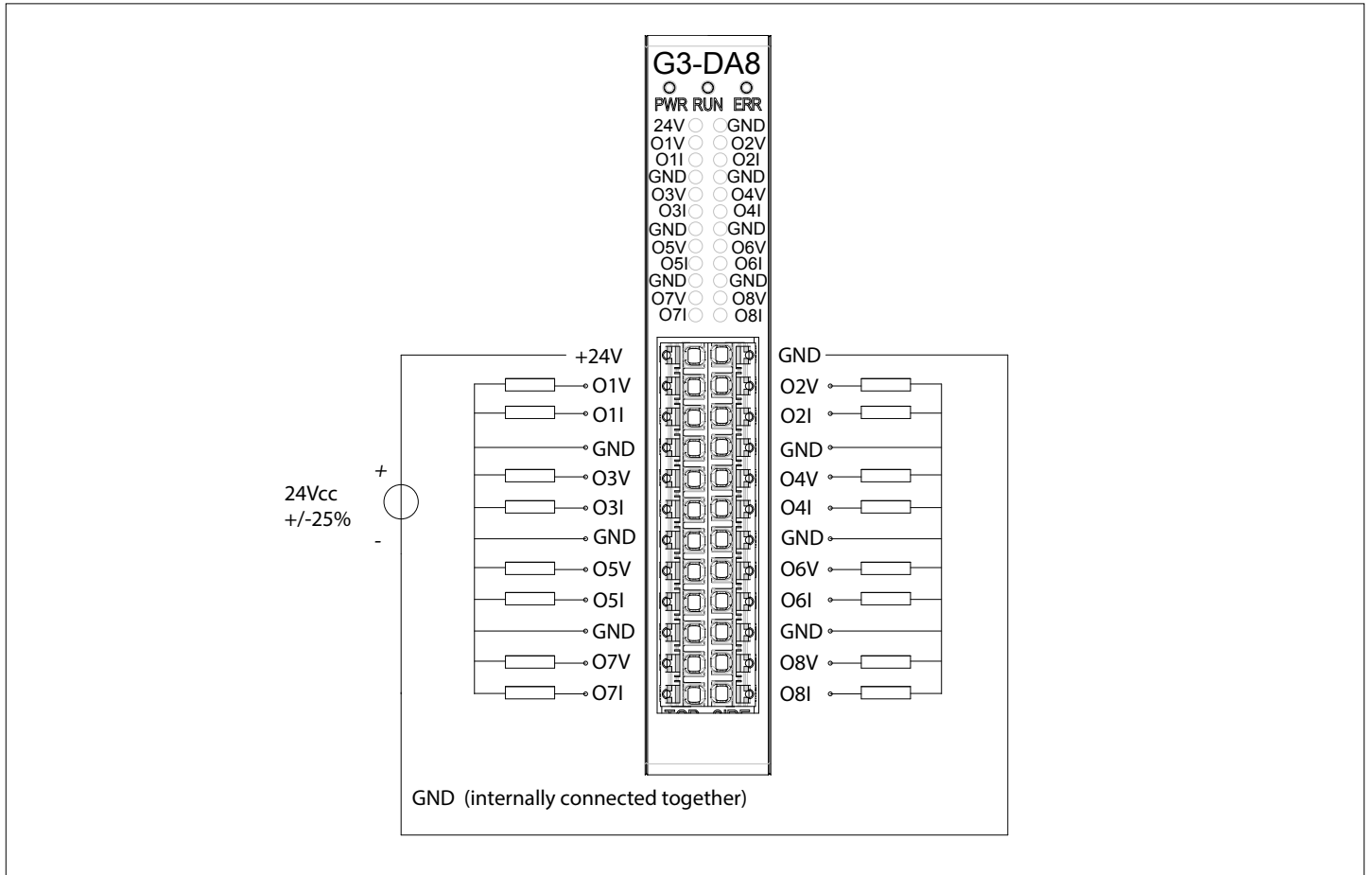
ENVIRONMENTAL CONDITIONS

Working temperature	-10...55°C
Storage temperature	-25...70°C
Humidity	max. 90% Rh not condensing
Pollution degree	2
Maximum altitude	2000 m

WIRING

Power supply 24 VDC \pm 25% 500 mA max.. Use unipolar cable with 1 square mm maximum cross-section.
Bipolar analog outputs \pm 10V, use shielded cable with 1 square mm maximum cross-section.



INSTALLATION AND CONNECTIONS



ORDERING CODE

COMPLETE MODULE	G3-DA8	F092706
Front	G3-DA8 F	F092620
Electronic module	G3-DA8 E	F092606
Bus	G3-BUS	F092614

GEFRAN spa reserves the right to make aesthetic or functional changes at any time and without notice.

	This device conforms to European Union Directive 2014/30/EU and 2014/35/EU as amended with reference to generic standards: EN 61000-6-2 (immunity in industrial environment) EN 61000-6-4 (emission in industrial environment) - EN 61010-1 (safety regulations).
	cULus listed, Conformity UL61010-1 - File: E198546