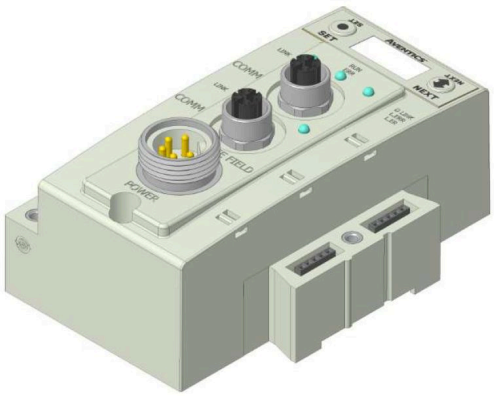
AVENTICS G3 Electronic Fieldbus Platform

In today's highly automated machines, the AVENTICS Series G3 electronic fieldbus valve system is replacing conventional hardwired solutions. It integrates communication interfaces to pneumatic valve valve system with input/output (I/O) capabilities. This next-generation electronic platform permits easy access to connections; it's simple to assemble, install, commission, and maintain. The G3's functionality allows programmable logic controllers to more efficiently turn valves on and off, and to channel I/O data from sensors, lights, relays, individual valves, or other I/O devices via various industrial networks. The G3 is the only pneumatic valve manifold that contains a graphical display used for configuration, commissioning, and diagnostics. It offers improvements in application, performance, and maintenance for original equipment manufacturers (OEMs) and end users alike.



- Innovative graphic display enables easy commissioning, visual status, and diagnostics
- Highly flexible, distributable architecture scales up with your system's requirements
- Auto recovery module (ARM) protects configuration data during critical failure while the Wireless ARM allows access to vital valve system diagnostics and health monitoring via WiFi connection
- Power connector allows output power to be removed while inputs and communications are left active
- Networks with DeviceNet, Ethernet IP, Profibus, Profinet, and Powerlink fieldbus protocols
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Technical data

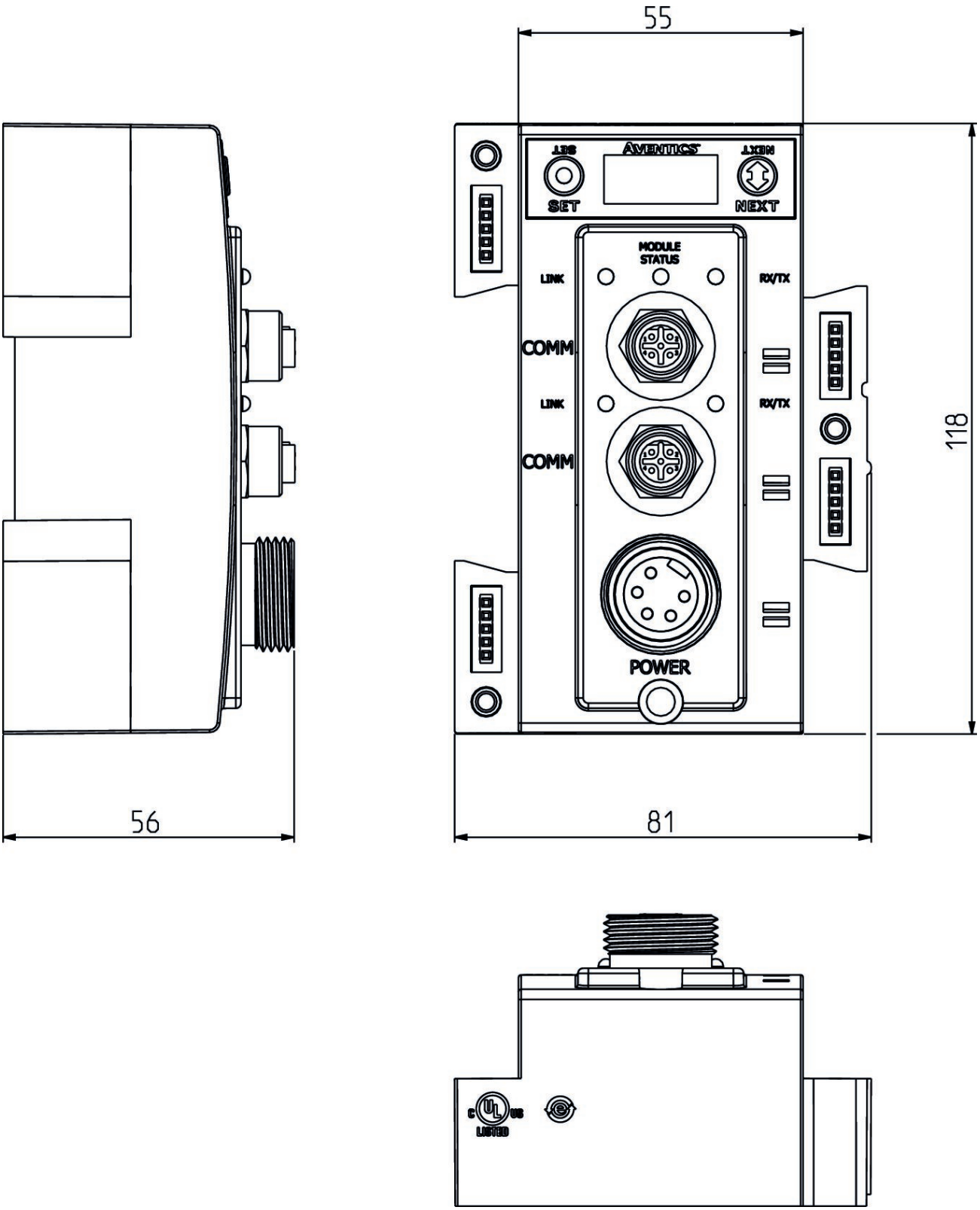
Industry	Industrial
Fieldbus protocol	EtherCAT
Note	power supply 7/8″

	4-pin Archive product: Do not use in new constructions!
Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10 % / +10 %
Current consumption electronics	0.11 A
Operating voltage, actuators	24 V DC
Total output for valves	4 A
Protection class	IP65
Diagnosis	Undervoltage
Max. I/O module extension	16
Electrical connection type	Plug
Electrical connection size	7/8″
Electrical connection number of poles	4-pin
Weight	0.269 kg

Material

Housing material	Polybutyleneterephthalate
Part No.	240-362

Dimensions


55
SET
NEXT
MODULE STATUS
LINK
RX/TX
COMM
LINK
RX/TX
COMM
POWER
118
56
81