

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.



Technical data

Industry	Industrial
Note	Fieldbus connection with I/O functionality power supply 7/8" 5-pin
Fieldbus protocol	PROFIBUS DP
Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Max. number of solenoid coils	128
Max. number of valve positions	110
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Current consumption electronics	0.104 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 (male)
Electrical connection size	7/8"
Electrical connection number of poles	5-pin

Series G3

2024-03-14

240-239

Weight 0.227 kg

Material

Housing material Polybutyleneterephthalate

Part No. 240-239

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