

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
Type	2AIAO4M12
Note	Socket, M12x1
Signal connection E/A thread size	M12x1
Signal connection E/A number of poles	4-pin
Number of inputs	2
Number of outputs	2
Analog inputs	4 ... 20 mA
Analog outputs	4 ... 20 mA
Fieldbus design	A-design
Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-10% / +10%
Current consumption electronics	0.09 A
Max. current per channel	0.15 A
Power supply for actuators	24 V DC
Total output for valves	4 A
Protection class	IP65

I/O modules, Series G3

2024-03-14

240-215

Max. total current of sensors

1,2 A

Diagnosis

Short circuit

Weight

0.244 kg

Material

Housing material

polyethyleneterephthalate

Part No.

240-215

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