

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"

4-pin

Fieldbus protocol

DeviceNet

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Max. number of solenoid coils

32

Max. number of valve positions

32

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 (male)

Electrical connection size

7/8"

Electrical connection number of poles

4-pin

Bus coupler, Series G3

2024-03-14

240-180

Weight 0.252 kg

Material

Housing material Polybutyleneterephthalate

Part No. 240-180

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