

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

digital inputs PNP
Socket (female), M8x1

Number of inputs

8

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Operational voltage electronics

24 V DC

Electronics voltage tolerance

-10% / +10%

Current consumption electronics

55 A

Max. current per channel

0.15 A

Power supply for actuators

24 V DC

Total output for valves

4 A

Protection class

IP65

Max. total current of sensors

1,2 A

Diagnosis

Short circuit

Weight

0.274 kg

Material

Housing material

polyethyleneterephthalate

I/O modules, Series G3

2024-03-14

240-379

Part No.

240-379

