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 8DI8M8

digital inputs PNP ote Socket. M12x1

Note Socket, M12x1

Signal connection E/A thread size M12x1
Signal connection E/A number of poles 4-pin

Number of inputs

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 0.05 A

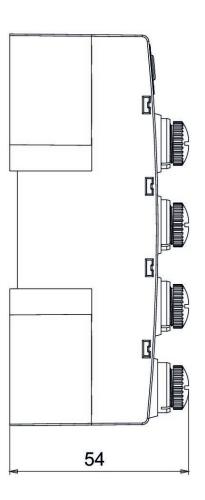
Max. current per channel 0.15 A
Power supply for actuators 24 V DC
Total output for valves 4 A

Protection class IP65
Max. total current of sensors 1,2 A

Diagnosis Short circuit
Weight 0.274 kg

Material

Housing material Part No.



polyethyleneterephthalate 240-206

