## **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 16DO8M12

digital outputs PNP

Note Socket, M12x1

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

Number of outputs 16
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 0.11 A

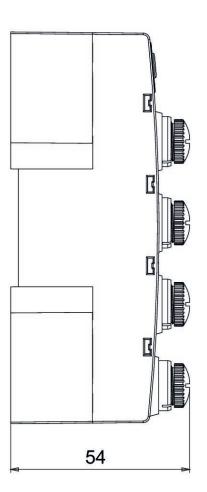
Max. current per channel 0.15 A
Power supply for actuators 24 V DC
Total output for valves 4 A

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

Diagnosis Short circuit Weight 0.274 kg

## Material

Housing material Part No.



polyethyleneterephthalate 240-207

