### **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.



Industrial

16DI8M12

digital inputs PNP

## Technical data Industry

Type

#### Note

Socket, M12x1 Signal connection E/A thread size M12x1 Signal connection E/A number of poles 4-pin Number of inputs 16 Fieldbus design A-design -10 °C Min. ambient temperature Max. ambient temperature 50 °C 24 V DC **Operational voltage electronics** -10% / +10% Electronics voltage tolerance Current consumption electronics 0.05 A 0.15 A Max. current per channel 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

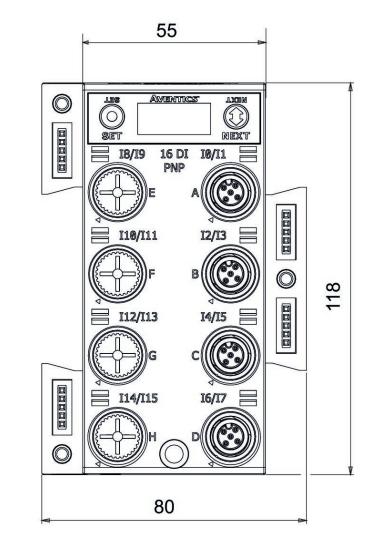
> EMERSON 1

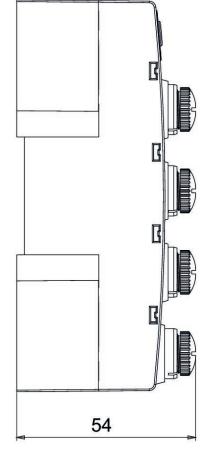
# I/O modules, Series G3

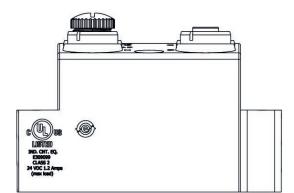
240-205

## Material

Housing material Part No.









polyethyleneterephthalate 240-205