

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

Version	I/O modules
Note	Socket (female), M12 connection with I/O
E/A capable	digital inputs NAMUR
I/O module version	8 inputs
Number of I/O connections	8
Number of inputs	ATEX
Certificates	II (1G) Ex ia IIC Ga
ATEX ID	II (1D) Ex ia IIIC Da
Min. ambient temperature	-20 °C
Max. ambient temperature	50 °C
Operational voltage electronics	24 V DC
Operating voltage, actuators	24 V DC
Power supply for actuators	24 V DC
Total output for valves	4 A
Protection class	IP65
Diagnosis	Short circuit
	Broken wire
Weight	0.284 kg

Material

Housing material

Polybutyleneterephthalate

Part No.

240-322

Technical information

Short circute monitoring $< 100 \Omega$

Open / Broken wire Detection $< 0.05 \text{ mA}$

Saftey Parameter output max. : $U_o \leq 9.6 \text{ V}$, $I_o \leq 13 \text{ mA}$, $P_o 31 \text{ mW}$

NC (Normally closed): signal current(0) $\geq 2.1 \text{ mA}$, Signal current (1) $\leq 1.2 \text{ mA}$

240-322

Dimensions

