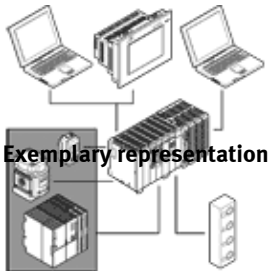


Diagnosis module GFDM-

Part number: 552054

FESTO

for constant monitoring of a pneumatic system.



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Operating voltage	24 VDC +25% / -15%
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Monitoring options	Flow rate Pressure Cycle consumption
Monitoring condition/status	Green - normal operation Yellow - warning Orange - maintenance instruction Red - alarm Grey - no status available
Measuring rate	10 ms
Update rate	2 s
Unit(s) that can be displayed	SI units US units
Flow measuring range	SFE1: 10 - 200 l/min MS6-SFE: 200 - 5000 l/min
Measuring principle	Thermal
Direction of flow	Unidirectional P1 -> P2
Nominal temperature	23 °C
Accuracy	+/- (3% o.m.v. + 0,3% FS)
Reproducibility of the analog value	+/- (0,8% o.m.v. + 0,2% FS)
Pressure measuring range	SDE1: 0 - 10 bar
Switch output	NPN PNP
Process coupling	Digital interface
Reference data	For operating status For product number
Trigger signal	Two signals: start + stop One signal: start = stop No signal: time trigger
Digital outputs, number	4
Digital outputs, contact	Transistor
Digital outputs, output voltage	24 VDC
Digital outputs, output current	2 A for 50 % simultaneity
Digital outputs, electrical isolation	Yes, via optocoupler
Digital outputs, electrical isolation in groups	Yes, in 2 groups
Digital outputs, short circuit proof	Yes
Digital outputs, status display	LED
Analog outputs, number	0
Digital inputs, number	10
Digital inputs, input signal delay	20 ms/200 ms, adjustable

Feature	Value
Digital inputs, input voltage/current	24 VDC
Digital inputs, nominal value for True	≥ 15 VDC
Digital inputs, nominal value for False	≤ 5 VDC
Digital inputs, electrical isolation	Yes, via optocoupler
Digital inputs, status display	LED
Analog inputs, number	2
Analog inputs, resolution	14 bit
Analog inputs, signal range	4 - 20 mA
Analog inputs, conversion time	1 ms
Analog inputs, absolute precision at 25 °C	$\pm 0,01\%$
Ethernet, number	1
Ethernet, supported protocols	OPC
Serial interface, number	1
Protection class	IP20
Materials note	Contains PWIS substances