


GFI-...S4S-...

- Without moving parts, long service life, easy installation
 - Good repeatability and compression performance
 - Easy adjustment, setting switch point via potentiometer
 - Full stainless steel housing, certain ability to resist corrosion
 - Suitable for medium like: water, oil, gas etc.
 - Highlight 6 LEDs with 3 color display switch state
 - Mechanical connection & Probe length can be customized (1)
 - Certification: 
- Connectors: Page 021
 - Mounting accessories: Page 022
 - Dimension drawings: Page 019
 - Wiring diagrams: Page 018
 - ----

(1) Stand probe length see page 19 in details, for other special probe length, pls ask relative PM if necessary

Flow sensors, insertion Compact Devices-Stainless steel housing, operating voltage: 19.2 ... 28.8 VDC

Types	Mechanical connection	Electrical connection	Measuring range			Output function	Operating voltage	ID. NO.
			Water	Oil	Air			
GFI-G1/2S4S-D2D/2M	Standard G1/2" outside thread	2m cable	1 ... 150 cm/s	3 ... 300 cm/s	20 ... 2000 cm/s	PNP NO+NC	19.2 ... 28.8 VDC	A4000000
GFI-G1/2S4S-D2D		4-pin M12 connector				PNP NO+NC	19.2 ... 28.8 VDC	A4001000
GFI-G1/2S4S-D0D/2M		2m cable				NPN NO+NC	19.2 ... 28.8 VDC	A4000100
GFI-G1/2S4S-D0D		4-pin M12 connector				NPN NO+NC	19.2 ... 28.8 VDC	A4001100
GFI-G1/2S4S-R4D/2M		2m cable				SPDT relay	19.2 ... 28.8 VDC	A4000300
GFI-G1/2S4S-R4D		4-pin M12 connector				SPDT relay	19.2 ... 28.8 VDC	A4001300
GFI-G1/2S4S-I1D/2M		2m cable				4 ...20 mA	19.2 ... 28.8 VDC	A4000200
GFI-G1/2S4S-I1D		4-pin M12 connector				4 ...20 mA	19.2 ... 28.8 VDC	A4001200
GFI-G1/4S4S-D2D/2M		Standard G1/4" outside thread				2m cable	1 ... 150 cm/s	3 ... 300 cm/s
GFI-G1/4S4S-D2D	4-pin M12 connector		PNP NO+NC	19.2 ... 28.8 VDC	A4101000			
GFI-G1/4S4S-D0D/2M	2m cable		NPN NO+NC	19.2 ... 28.8 VDC	A4100100			
GFI-G1/4S4S-D0D	4-pin M12 connector		NPN NO+NC	19.2 ... 28.8 VDC	A4101100			
GFI-G1/4S4S-R4D/2M	2m cable		SPDT relay	19.2 ... 28.8 VDC	A4100300			
GFI-G1/4S4S-R4D	4-pin M12 connector		SPDT relay	19.2 ... 28.8 VDC	A4101300			
GFI-G1/4S4S-I1D/2M	2m cable		4 ...20 mA	19.2 ... 28.8 VDC	A4100200			
GFI-G1/4S4S-I1D	4-pin M12 connector		4 ...20 mA	19.2 ... 28.8 VDC	A4101200			
GFI-M18IS4S-D2D/2M	M18X1.5 inside thread With Compression Fittings		2m cable	1 ... 150 cm/s	3 ... 300 cm/s	20 ... 2000 cm/s		
GFI-M18IS4S-D2D		4-pin M12 connector	PNP NO+NC				19.2 ... 28.8 VDC	A4301000
GFI-M18IS4S-D0D/2M		2m cable	NPN NO+NC				19.2 ... 28.8 VDC	A4300100
GFI-M18IS4S-D0D		4-pin M12 connector	NPN NO+NC				19.2 ... 28.8 VDC	A4301100
GFI-M18IS4S-R4D/2M		2m cable	SPDT relay				19.2 ... 28.8 VDC	A4300300
GFI-M18IS4S-R4D		4-pin M12 connector	SPDT relay				19.2 ... 28.8 VDC	A4301300
GFI-M18IS4S-I1D/2M		2m cable	4 ...20 mA				19.2 ... 28.8 VDC	A4300200
GFI-M18IS4S-I1D		4-pin M12 connector	4 ...20 mA				19.2 ... 28.8 VDC	A4301200

GFI-...S4S-...



General technical information

Medium		Liquid and gas
Measuring range	Water	1 ... 150 cm/s
	Oil (1)	1 ... 300 cm/s
	Air	20 ... 2000 cm/s
Operating voltage (2)		19.2 ... 28.8 VDC
No-load current		≤ 80 mA
Protection class		IP67
Temperature features	Medium temperature	-20 ... +85 °C
	Ambient temperature	-20 ... +80 °C
	Storage temperature	-20 ... +100 °C
Rated operational current /Relay contact capacity	PNP or NPN output	≤ 400 mA
	SPDT relay dry contact output	≤ 4 A (250 VAC / 30 VDC)
Response time	Stand-by time	typ. 8 s
	Switch-on/off time	1 ... 12 s , typ. 2 s
Temperature gradient		4 °C/s
Electrical protection		Reverse polarity / shourt circuit / over-load protection Limit protection voltage can be reached max voltage of operating voltage
Output function	Digital output	PNP or NPN transistor active output / Relay SPDT dry contact output
	Analog output	4 ... 20 mA current output
Repeatability		≤ ± 2 % of full scale
Adjustment		Potentiometer
Switching state		6 LEDs with 3 color (red / yellow / green)
Pressure resistance		100 bar
Vibration resistance		50 g (11ms shalf sine wave), according to DIN IEC 68-2-27
Shock resistance		20 g (55 ... 2000 Hz), according to DIN EN 60068-2-6
Electrical connection (3)		M12X1 connector, metal thread / 2m cable
Mechanical connection (4)		G1/2" outside thread / G1/4" outside thread / M18X1.5 inside thread (With Compression Fittings)
Material	Sensor (Probe)	Stainless steel, AISI 316Ti
	Housing	Stainless steel, AISI 316Ti

(1) For oil medium application, if involves the medium viscosity, ask PM firstly

(2) For full stainless steel housing sensors, supply DC operating voltage types only

(3) For sensors with analog output, supply M12 electrical connection type only

(4) For other mechanical connections, can be customized, ask relative PM if necessary