


Characteristics

1 - MODULAR - ECONOMIC - METER

	- Input:	0...10 m/s up to 0...100 m/s
	- Output:	4...20 mA
	- Supply:	24 VDC VDC
	- Accuracy:	see technical data
	- Process connection:	several options
	- Electrical connection:	several plugs
	- Temperature range:	0...+60 °C (ambient)
	- Limit value contacts:	2x electronically (NPN / PNP)
	- Adjustment:	keys
	- Material sensor:	see technical data
- Protection:	at least IP65	

Technical data

Input

Flow: 10 m/s / 20 m/s / 30 m/s / 50 m/s / 100 m/s
 Reference conditions: 20 °C, 1013 hPa
 Medium: air, non aggressive gases
 Principle of measurement: calorimetrically

Output

Current signal: 4...20 mA
 Load resistance: 500 Ω maximum

Performance

Sensor unit:	Measurement uncertainty:	±5% of final value (within range 10...100%)
	Reference section:	10x diameter for inflow and outflow
	Repeating accuracy:	±2
	Reaction time:	approx. 2 s
	Dependence on temperature:	±0,01% / 1K
Indicator / limit values:	Transmission behaviour:	linear to flow velocity
	Resolution:	-9999...9999 digit
	Error of measurement:	±0,2% of range, ±1 digit
	Temperature drift:	100 ppm/K
	Features:	according VDMA 24574-1 up to 24574-4
Operation:	according VDMA 24574-1 up to 24574-4	

Programmable features








Display: range of indication / time of indication / decimal point / units
 Limit value contacts: limit value 1 and 2 / hysteresis 1 and 2 / delay times 1 and 2

Applications

For use in climating, ventilating and heating installations and the whole range of industrial application. With it's two configurable limit value contacts, the integrated display and the numerous electrical connections, the flow sensor is also suitable for applications with higher requirements.



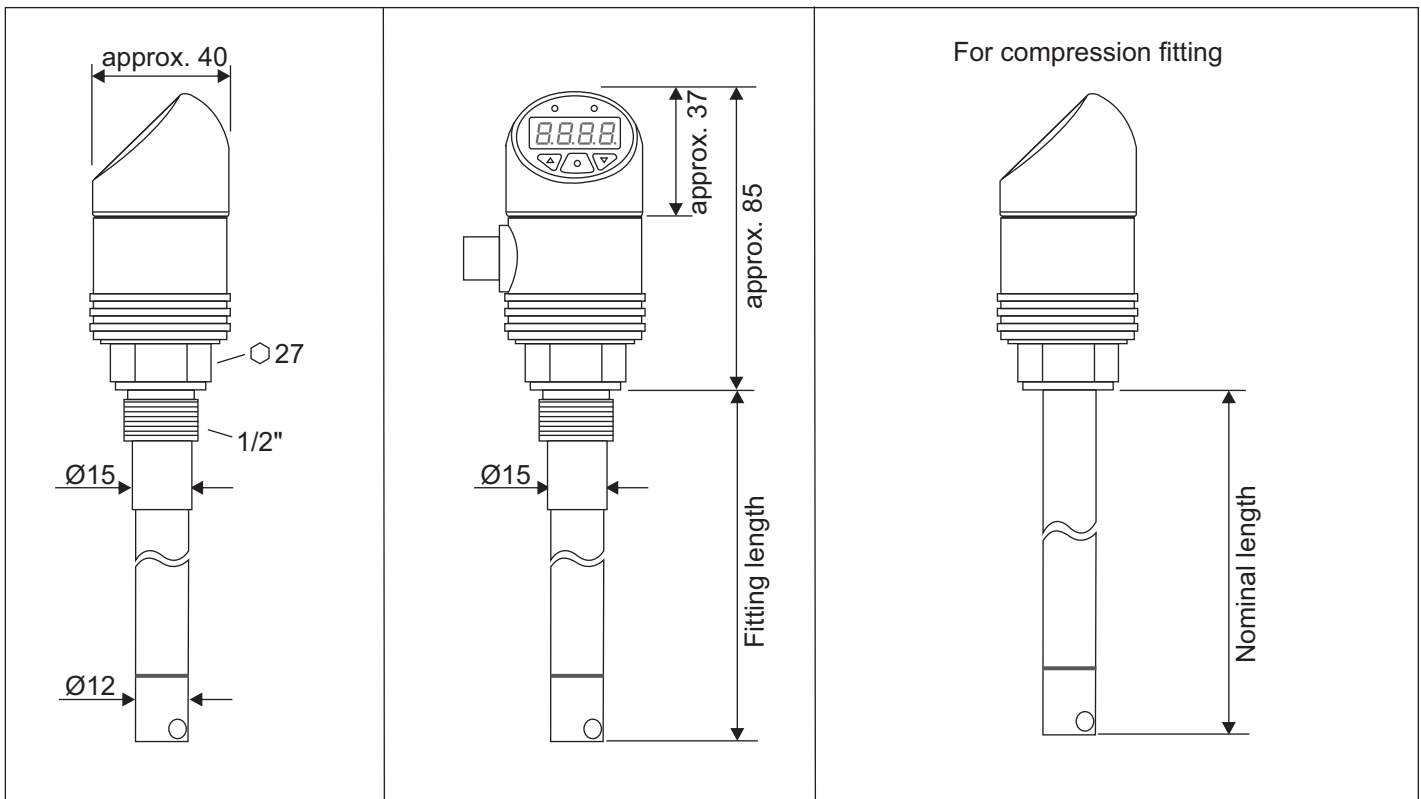
● Electrical connection

M12x1	Super Seal	Deutsch	Deutsch	Bayonet	Valve	MIL	
							
4-pole 5-pole 8-pole	3-pole	3-pole	4-pole	4-pole	4-pole	6-pole	

Connection	Supply		Out	Limit value contact		
	U+	U-		Common	SP 1	SP 2
M12, 4-pole	1	3	2	(1)	(4)	
M12, 5-pole	1	3	2	5	4	
M12, 8-pole	1	3	6	5	4	2
Super Seal, 3-pole	1	3	2			
Deutsch DT04, 3-pole	A	B	C			
Deutsch DT04, 4-pole	1	3	2	(1)	(4)	
Bayonet DIN, 4-pole	1	2	3	(1)	(4)	
Valve (L-plug), 4-pole	1	2	3	(1)	(GND)	
MIL, 6-pole	A	C	F	E	D	B

Details in brackets: U+ is also common for limit value

● Dimensions (in mm)



● **Order code**

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Input flow:	0...10 m/s	0							
	0...20 m/s	1							
	0...30 m/s	2							
	0...50 m/s (on request)	3							
	0...100 m/s (on request)	4							
Output:	4...20 mA		1						
Process connection:	Without (for compression fitting)	0							
	1/2"	3							
	3/4"	4							
	1"	5							
	1,5"	6							
	1/2"NPT	9							
Electr. connection:	M12, 4-pole					1			
	M12, 5-pole					2			
	M12, 8-pole					3			
	Deutsch DT04, 3-pole					4			
	Deutsch DT04, 4-pole					5			
	Super Seal 1.5, 3-pole					6			
	Bayonet (DIN), 4-pole					7			
	Valve plug, 4-pole					8			
	MIL, 6-pole					A			
Nominal, Fitting length:	100 mm							100	
	150 mm							150	
	200 mm							200	
	250 mm							250	
	300 mm							300	
	350 mm							350	
	400 mm							400	
	Andere Länge (bitte angeben)							Y	
Limit value contacts:	2x PNP, 30 VDC, 200 mA (standard)								0
	1x PNP, 30 VDC, 200 mA								1
	Without								2
	2x NPN, 30 VDC, 200 mA								3
	1x NPN, 30 VDC, 200 mA								4
	2x PNP, 30 VDC, 1000 mA								5
	1x PNP, 30 VDC, 1000 mA								6
	2x NPN, 30 VDC, 1000 mA								7
	1x NPN, 30 VDC, 1000 mA								8
Configuration:	Factory set								0
Special model:	Non								0
	Yes (to specify)								1

Zubehör: Compression fitting G1/2"