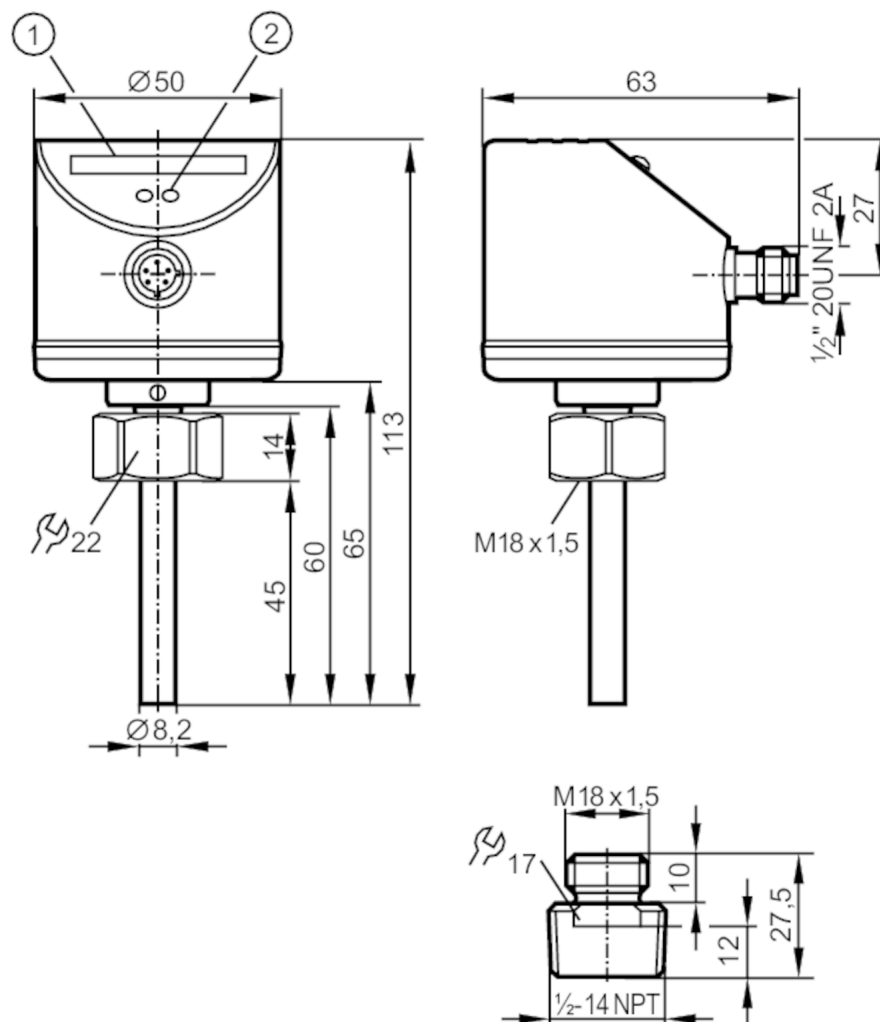




Flow monitor

KIT, SI5006 W/E40107 & W70207



- 1 LED bar display
2 setting pushbutton



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1
Process connection	M18 x 1,5 internal thread

Application

Media	Liquids; Gases
Medium temperature [°C]	-25...80
Pressure rating [bar]	300

Liquids

Medium temperature [°C]	-25...80
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Gases

Medium temperature [°C]	-25...80
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Electrical data

Operating voltage tolerance [%]	-5...10
Operating voltage [V]	85...265 AC



Flow monitor

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Nominal voltage AC	[V]	< 240
Protection class		II
Reverse polarity protection		no
Power-on delay time	[s]	10
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 1
Outputs		
Total number of outputs		1
Output signal		switching signal
Electrical design		relay
Number of digital outputs		1
Output function		normally open / normally closed; (parameterisable)
Contact rating		3 A (250 V AC / 30 V DC); (number of switching cycles: 20 million mechanically; switching cycles at 3 A load: 100,000 electrical; type of switch-off: normally open)
Short-circuit proof		no
Overload protection		no
Measuring/setting range		
Probe length L	[mm]	45
Liquids		
Setting range	[cm/s]	3...300
Greatest sensitivity	[cm/s]	3...100
Gases		
Setting range	[cm/s]	200...3000
Greatest sensitivity	[cm/s]	200...800
Accuracy / deviations		
Repeatability	[cm/s]	1...5
Note on repeatability		for water 5...100 cm/s; 25 °C Factory setting
Temperature gradient	[K/min]	300
Switch point accuracy	[cm/s]	± 2...±10; (for water 5...100 cm/s; 25 °C; Factory setting)
Hysteresis	[cm/s]	2...5; (for water 5...100 cm/s; 25 °C; Factory setting)
Response times		
Response time	[s]	1...10
Liquids		
Response time	[s]	1...10
Gases		
Response time	[s]	1...10
Software / programming		
Adjustment of the switch point		pushbutton
Operating conditions		
Ambient temperature	[°C]	-25...80
Storage temperature	[°C]	-25...100



Flow monitor

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Protection	IP 67
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Tests / approvals

EMC	DIN EN 60947-5-9	
Shock resistance	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	20 g (55...2000 Hz)

Mechanical data

Weight	[g]	340.194
Dimensions	[mm]	M18 x 1.5
Thread designation		M18 x 1.5
Materials		stainless steel (304/1.4301); PC; PBT-GF20; EPDM/X
Materials (wetted parts)		stainless steel (316L/1.4404); O-ring: FKM 80 Shore A
Process connection		M18 x 1,5 internal thread

Displays / operating elements

Display	function	10 x LED, three-colour
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Electrical connection

Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting
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Accessories

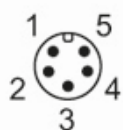
Items supplied	Adapter: 1 x 1/2-14NPT, E40107 connector: 1, W70207
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Remarks

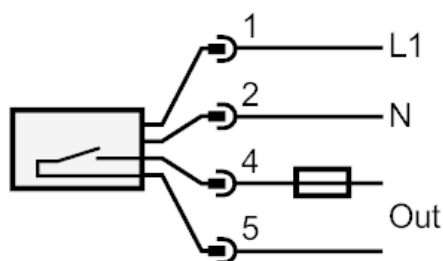
Remarks	Recommendation Check the safe functioning of the unit after a short circuit.
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x 7/8"; coding: A



Connection

Note miniature fuse to IEC60127-2 sheet 1 ≤ 5 A fast acting