



CE  US
LISTED

Flow monitor
with non-return valve
Process connection: Rp ¾
Setting range: 1...25 l/min

Application		liquids (water, glycol solutions, oils, coolants)
Pressure rating	[bar]	40
Medium temperature	[°C]	0...85

Electrical design	DC PNP
Operating voltage [V]	10...30 DC; to SELV/PELV
Current consumption [mA]	< 15
Protection class	III
Reverse polarity protection	yes

Output function	normally open
Current rating [mA]	100
Voltage drop [V]	< 2.5
Short-circuit protection	yes
Overload protection	yes

Setting range	[l/min]	1...25
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Hysteresis	[l/min]	0.5...2
Repeatability	[% of the final value]	1
Accuracy	[% of the final value]	± 5



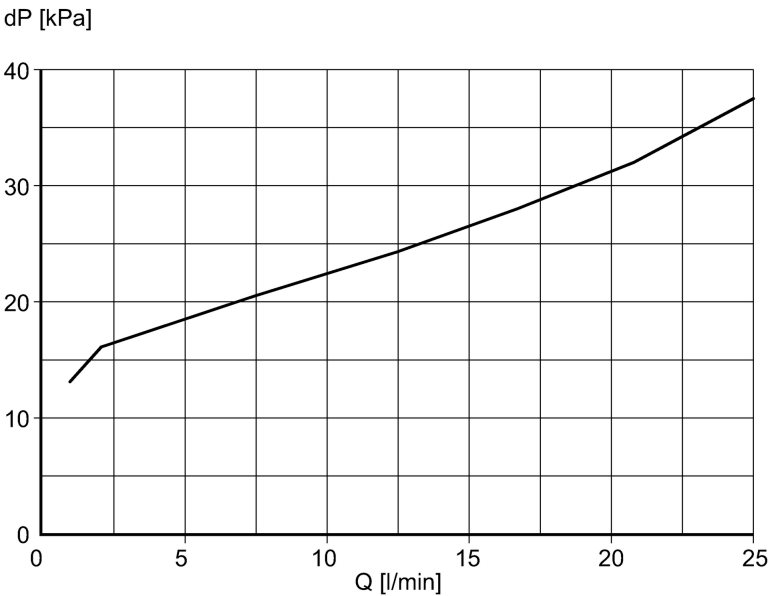
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Flow sensors

Pressure loss (dP) / flow rate (Q)



Reaction times

Response time	[s]	< 0.01
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Environment

Ambient temperature	[°C]	0...60
Storage temperature	[°C]	-15...80
Protection		IP 65 / IP 67

Tests / approvals

EMC	DIN EN 61000-6-2 DIN EN 61000-6-3	
Shock resistance	DIN EN 60068-2-27	20 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	5 g (10...2000 Hz)
MTTF	[Years]	15.78

Mechanical data

Process connection	Rp ¾	
Materials (wetted parts)	stainless steel 301 / 1.4310; stainless steel (304S15); PBT; brass chemically nickel-plated; PP; PPS; Polyolefin; O-ring: FKM	
Housing materials	brass chemically nickel-plated; PP; aluminum anodized; PA	
Switching cycles min.	10 million	
Weight	[kg]	0.45

Displays / operating elements

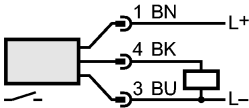
Output status indication	LED	yellow (4 x 90°)
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Electrical connection

Connection	M12 connector	
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Wiring

Core colors
BK black
BN brown
BU blue





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Flow sensors

Colours to DIN EN 60947-5-2

Accessories	
Accessories (included)	Allen key
Remarks	
Remarks	Attention: Do not turn the cap beyond the maximum value of the setting range. All data refer to water (20 °C).
Pack quantity [piece]	1

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