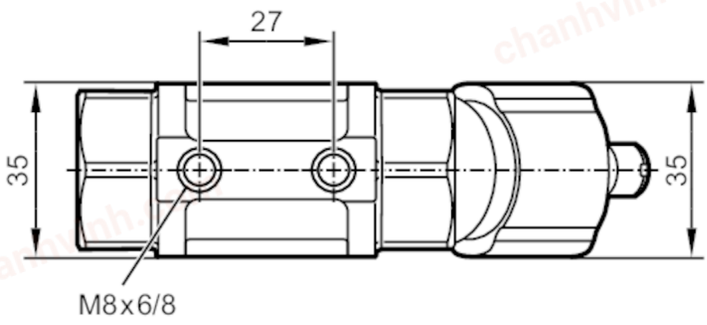
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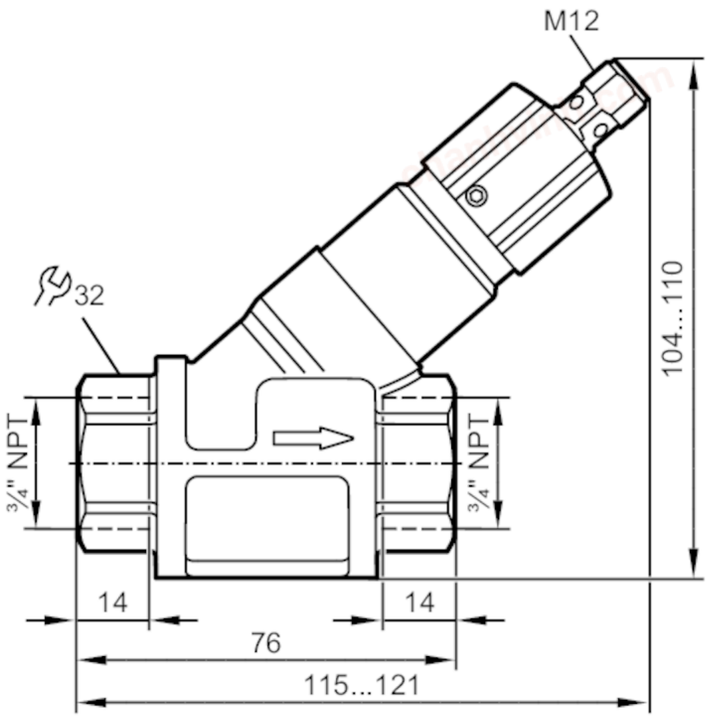
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Flow sensor with integrated backflow prevention

SBY34BF0BPKG/US

Please note the changed housing design!





Product characteristics			
Number of inputs and outputs		Number of digital outputs: 1	
Process connection		threaded connection 3/4" NPT internal thread	
Application			
Media		Liquids; water; glycol solutions; coolants	
Medium temperature	[°F]	32...185	
Pressure rating		40 bar	4 MPa
Electrical data			
Operating voltage	[V]	10...30 DC; (to SELV/PELV)	
Current consumption	[mA]	< 15	

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Protection class		III
Reverse polarity protection		yes
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 1
Outputs		
Total number of outputs		1
Output signal		switching signal
Electrical design		PNP
Number of digital outputs		1
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Short-circuit protection		yes
Overload protection		yes
Measuring/setting range		
Setting range	[gpm]	0.26...6.6
Accuracy / deviations		
Repeatability	[% of the final value]	1
Hysteresis	[gpm]	0,13...0,53
Measuring error	[% of the final value]	± 5
Response times		
Response time	[s]	< 0.01
Operating conditions		
Ambient temperature	[°F]	32...140
Storage temperature	[°F]	5...176
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]	3318
Mechanical data		
Weight	[g]	578.25
Materials		brass chemically nickel-plated; PPS; aluminium anodised; PA
Materials (wetted parts)		stainless steel (301/1.4310); stainless steel (304/1.4301); PBT; brass chemically nickel-plated; PP; PPS; Polyolefin; O-ring: FKM
Process connection		threaded connection 3/4" NPT internal thread
Switching cycles mechanical		10 million

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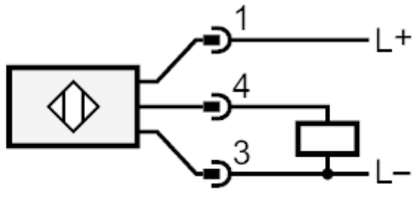
Displays / operating elements		
Display	switching status	4 x LED, yellow
Accessories		
Items supplied		Allen key
Remarks		
Remarks		Caution Do not turn the cap beyond the maximum value of the setting range.
		All data refer to water (68 °F).
Notes		Please note the changed housing design!
Pack quantity		1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection



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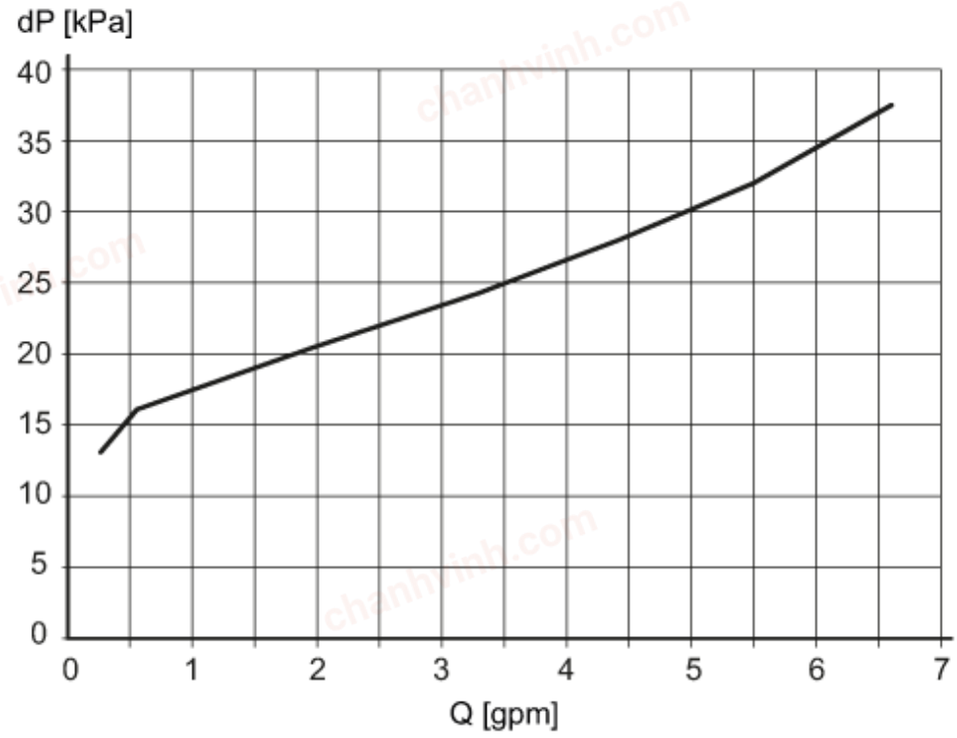
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Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity