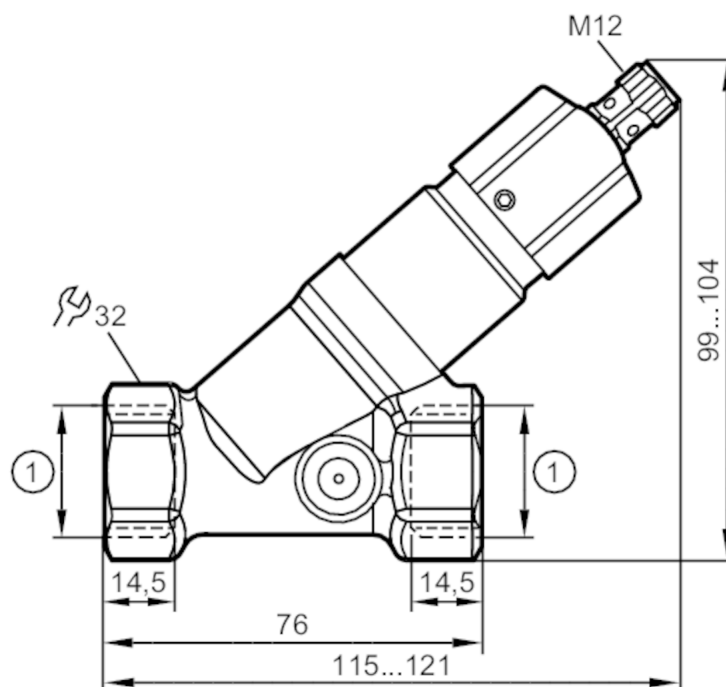


Flow sensor with integrated backflow prevention

SBY34BF0BPKG/US



1: Rp 3/4



Application

Media	Liquids; water; glycol solutions; oils; coolants	
Medium temperature	[°C]	0...85
Pressure rating	[bar]	40

Electrical data

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

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	[l/min]	1...15
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Accuracy / deviations		
Repeatability [% of the final value]		1
Hysteresis [l/min]		0,2...1
Measuring error [% of the final value]		± 5
Response times		
Response time [s]		< 0.01
Operating conditions		
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		
Weight [g]		483
Materials	brass chemically nickel-plated; PP; aluminium anodised; PA	
Materials (wetted parts)	stainless steel (1.4310 / 301); stainless steel (1.4301 / 304); PBT; brass chemically nickel-plated; PP; PPS; Polyolefin; O-ring: FKM	
Process connection		Rp 3/4
Switching cycles mechanical		10 million
Displays / operating elements		
Display	switching status	4 x LED, yellow
Accessories		
Accessories (supplied)		Allen key
Remarks		
Remarks	Caution Do not turn the cap beyond the maximum value of the setting range. All data refer to water (20 °C).	
Pack quantity		1 pcs.
Electrical connection		

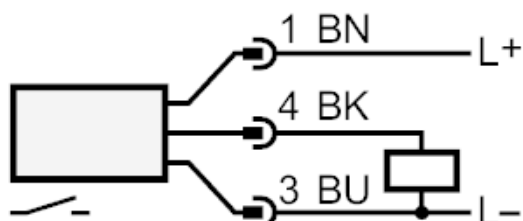
Connector: 1 x M12



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Connection



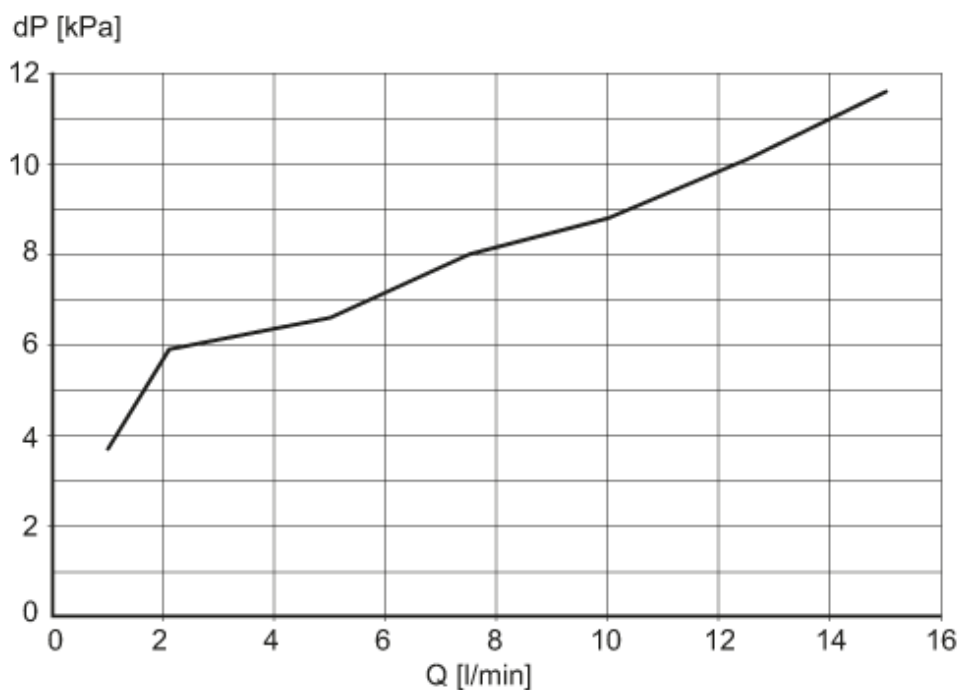
colours to DIN EN 60947-5-2

Core colours :

BK = black
BN = brown
BU = blue

Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity