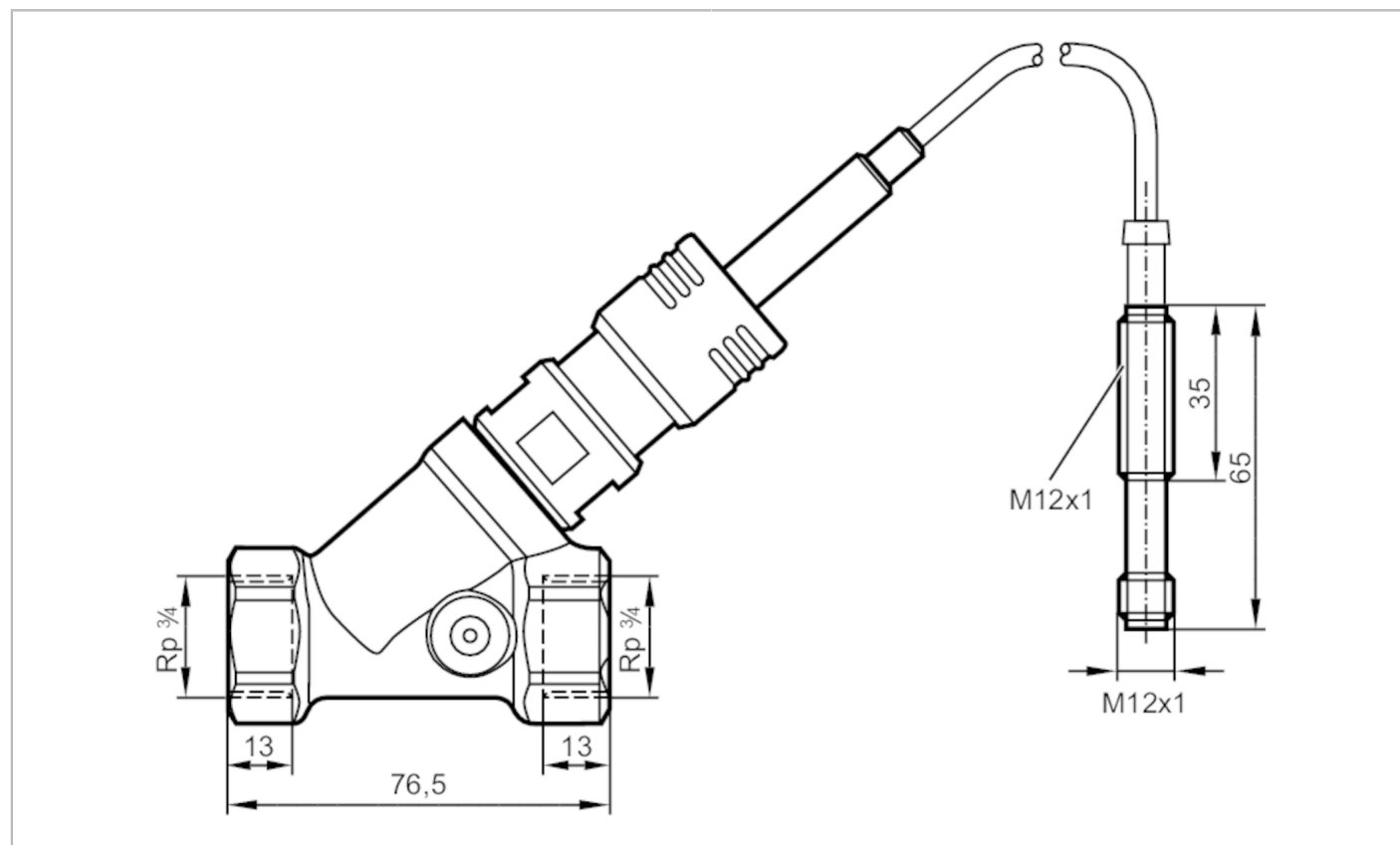


SBT634



Flow transmitter with integrated backflow prevention

SBT34XKX10KG/O/US



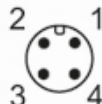
Application		
Media		Liquids; water; glycol solutions
Medium temperature	[°C]	10...180
Pressure rating	[bar]	15
Note on pressure rating		at max. medium temperature at temperatures up to 85 °C: 25
Electrical data		
Operating voltage tolerance	[%]	-15...10
Operating voltage	[V]	24 DC; (to SELV/PELV)
Current consumption	[mA]	< 30
Protection class		III
Reverse polarity protection		yes
Outputs		
Output signal		analogue signal
Analogue current output	[mA]	4...20
Max. load	[Ω]	500
Short-circuit protection		yes
Overload protection		yes
Measuring/setting range		
Measuring range	[l/min]	0.3...50

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Accuracy / deviations		
Repeatability [% of the final value]	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)
Mechanical data		
Weight [g]	614.8	
Materials	brass chemically nickel-plated; PPS; copper alloy; aluminium anodised; TPE-E; silicone; PA	
Materials (wetted parts)	stainless steel (1.4401 / 316); brass; brass chemically nickel-plated; PPS; O-ring: FKM	
Process connection	Rp 3/4	
Switching cycles mechanical	10 million	
Remarks		
Remarks	Recommendation Use 200 micron filtration	
	All data refer to water (20 °C).	
Pack quantity	1 pcs.	
Electrical connection		
Cable: ,3 m, silicone		
Electrical connection - plug		
Connector: 1 x M12		
		

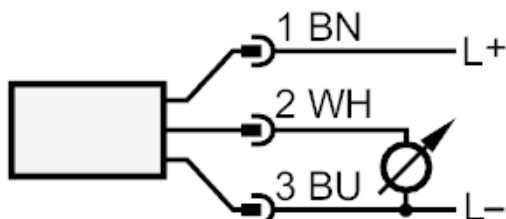
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Connection



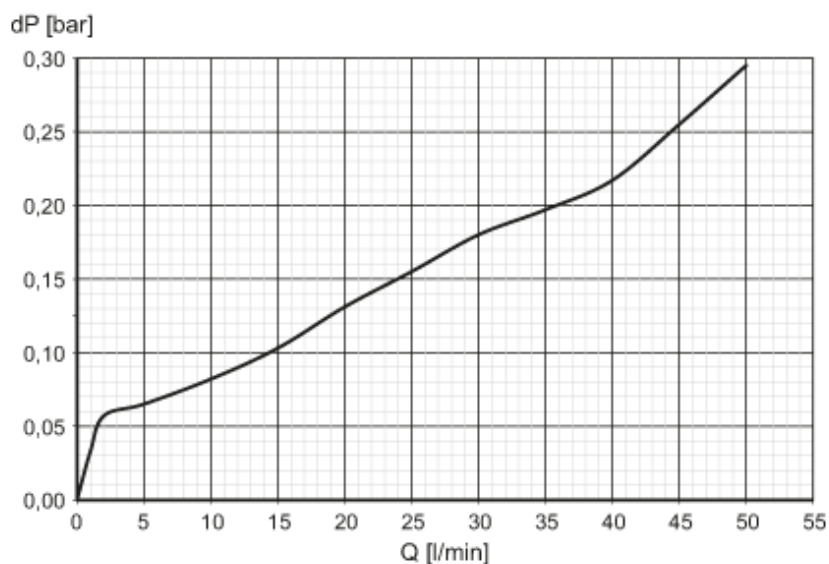
colours to DIN EN 60947-5-2

Core colours :

BN = brown
BU = blue
WH = white

Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity