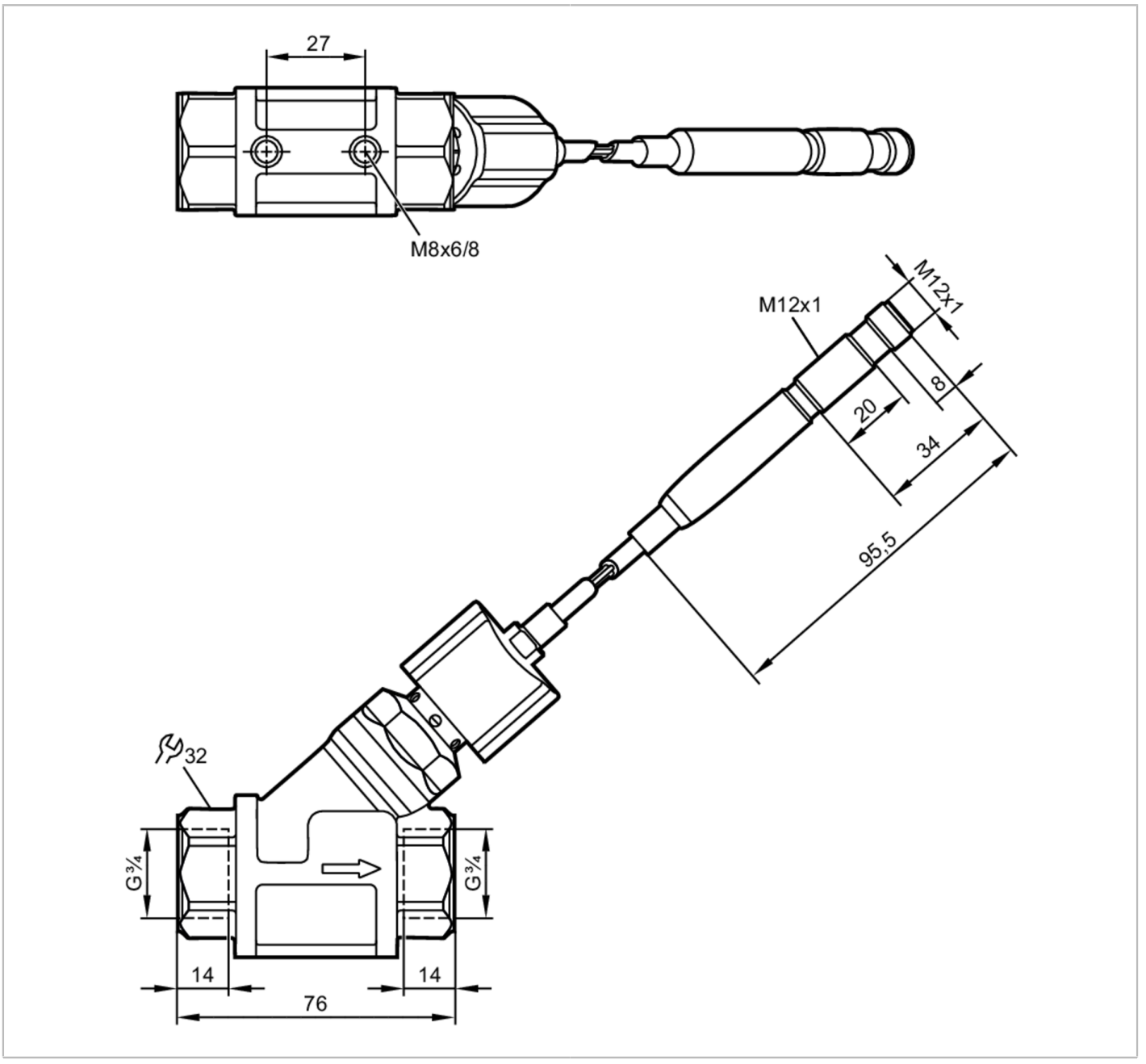
SBT633

Flow transmitter with integrated backflow prevention

SBT34XKX10KG/O/US



Product characteristics		
Measuring range	[l/min]	0.3...25
Process connection		G 3/4
Application		
Media		Liquids; water; glycol solutions
Medium temperature	[°C]	10...180
Pressure rating	[bar]	30
Pressure rating	[MPa]	3
Note on pressure rating		static

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Electrical data			
Operating voltage tolerance	[%]	-15...10	
Operating voltage	[V]	24 DC; (to SELV/PELV)	
Current consumption	[mA]	< 35	
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...25	
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)
MTTF	[years]	1380	
Mechanical data			
Weight	[g]	680.05	
Materials		brass white bronze coated; PPS; copper alloy; aluminium anodised; PEI; silicone; O-ring: EPDM; FKM	
Materials (wetted parts)		stainless steel (316 / 1.4401); stainless steel (304/1.4301); brass; brass chemically nickel-plated; PPS; O-ring: FKM; magnet: metallic alloy nickel-plated; Two-component adhesive	
Process connection		G 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.	

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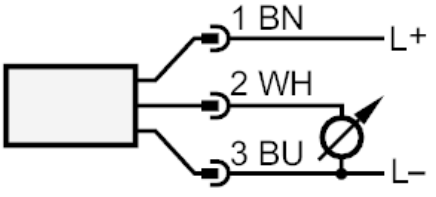
Electrical connection

Cable: 0.3 m, silicone

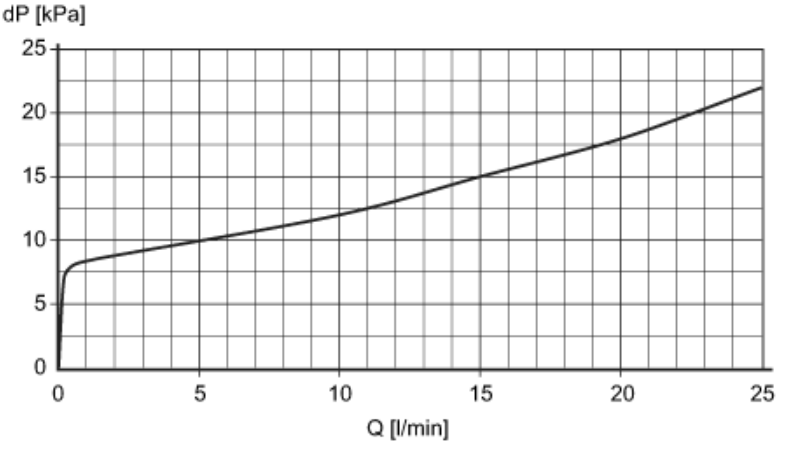
Connection



colours to DIN EN 60947-5-2
Core colours :

BN =	brown
BU =	blue
WH =	white

Diagrams and graphs



dP Pressure loss

Q volumetric flow quantity