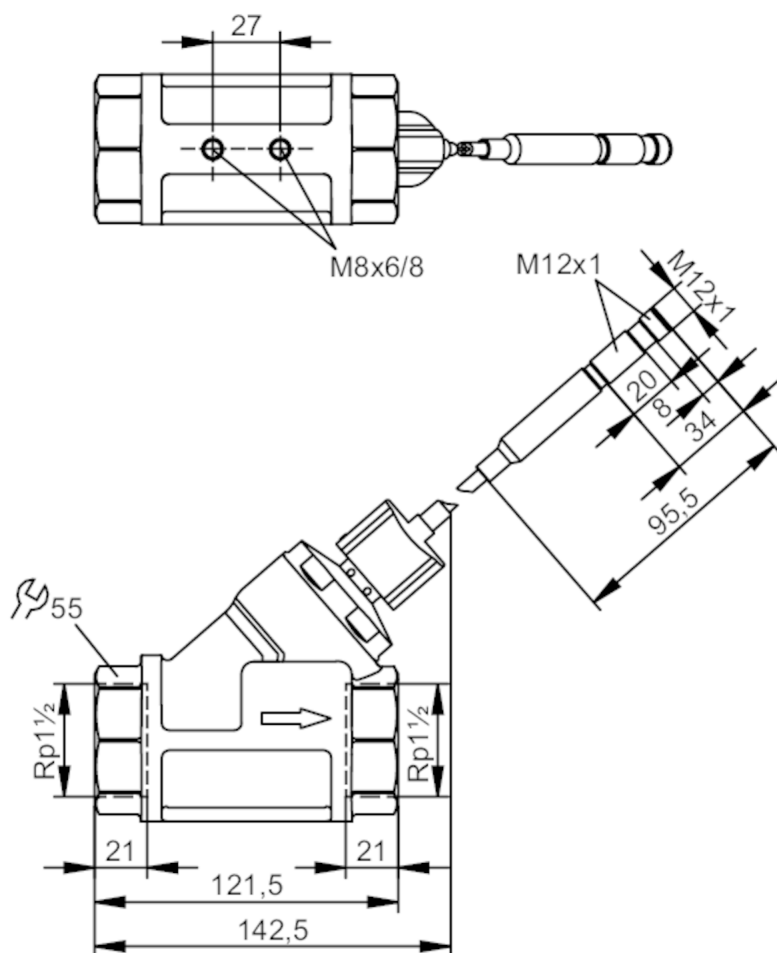


Flow transmitter with integrated backflow prevention

SBT32XKX10KG/O/US



Product characteristics

Measuring range	[l/min]	4...200
Process connection		Rp 1 1/2

Application

Media		Liquids; water
Medium temperature	[°C]	10...180
Pressure rating	[bar]	25
Pressure rating	[MPa]	2.5
Note on pressure rating		static

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
---------------	--	-----------------



Flow transmitter with integrated backflow prevention

SBT32XKX10KG/O/US

Analogue current output	[mA]	4...20
Max. load	[Ω]	500
Short-circuit protection		yes
Overload protection		yes

Measuring/setting range

Measuring range	[l/min]	4...200
-----------------	---------	---------

Accuracy / deviations

Repeatability	[X16]	1
Measuring error	[X16]	± 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	[ANN]	393

Mechanical data

Weight	[g]	2423.7
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		Rp 1 1/2
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: 0.3 m, silicone

Electrical connection - plug

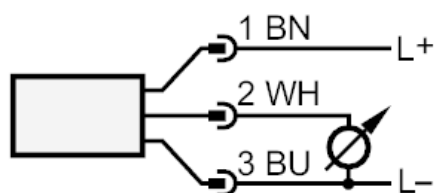
Connector: 1 x M12; coding: A



Flow transmitter with integrated backflow prevention

SBT32XKX10KG/O/US

Connection

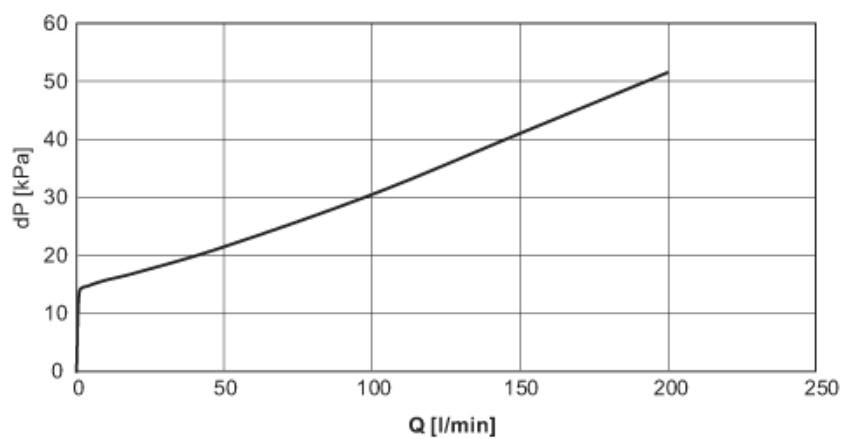


colours to DIN EN 60947-5-2

Core colours :

BN = brown
BU = blue
WH = white

Diagrams and graphs



dP Pressure loss

Q volumetric flow quantity