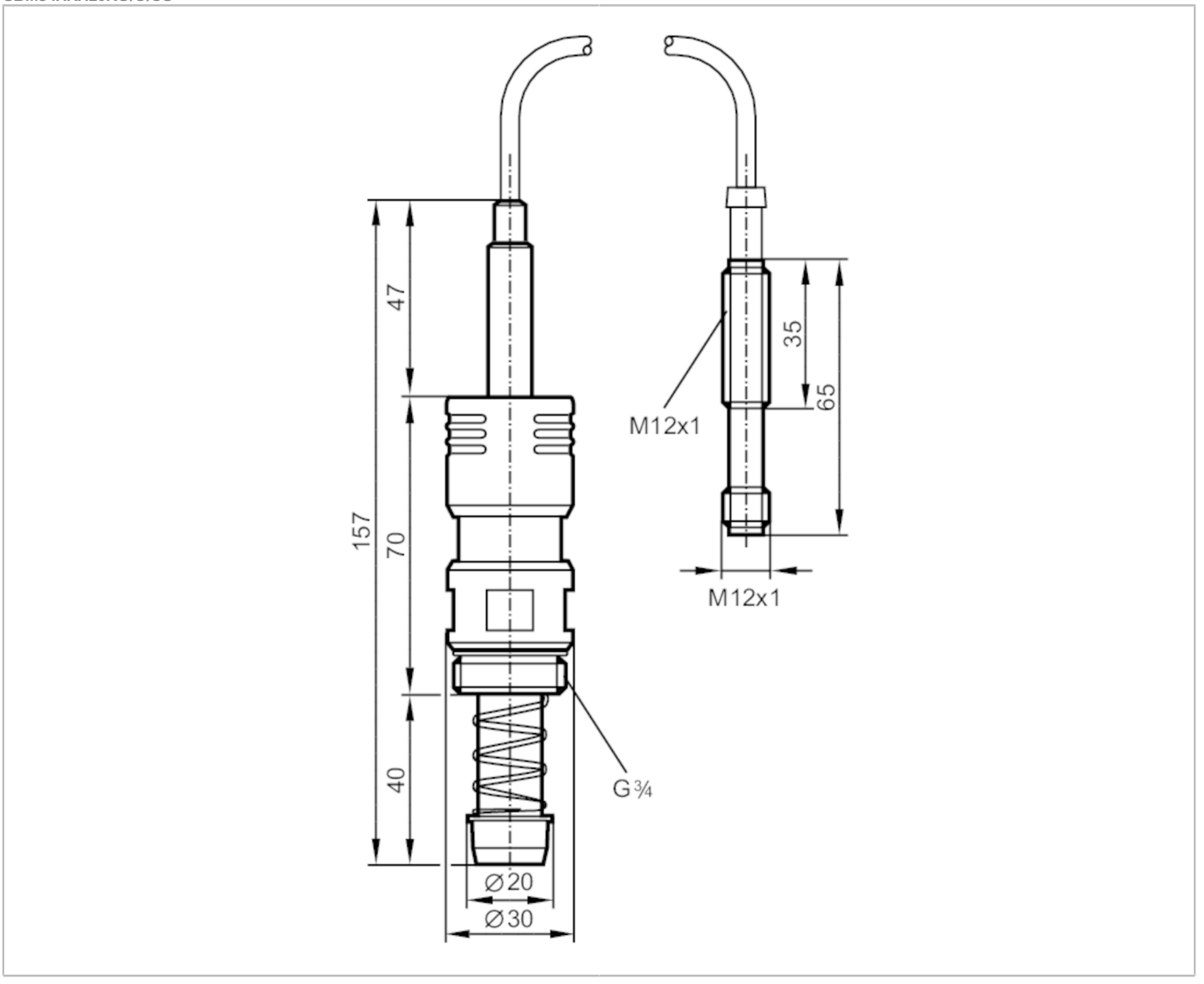
SBM613

Measurement insert for flow transmitters with integrated backflow prevention

SBM34XKX10KG/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

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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]	218	
Materials		PPS; copper alloy; aluminium anodised; TPE-E; silicone; PA	
Materials (wetted parts)		stainless steel (1.4401 / 316); brass; PPS; O-ring: FKM	
Tightening torque	[Nm]	15	
Process connection		G 3/4	
Switching cycles mechanical		10 million	
Electrical connection			
Connection		plug	
Accessories			
Accessories (supplied)		Allen key	
Remarks			
Remarks		All data refer to water (20 °C).	
		Recommendation Use 200 micron filtration	
Pack quantity		1 pcs.	
Electrical connection - plug			
Cable: ,3 m, silicone			
Connector: 1 x M12			

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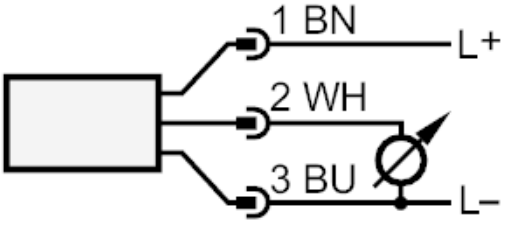
Connection



	colours to DIN EN 60947-5-2
	Core colours :
BN =	brown
BU =	blue
WH =	white