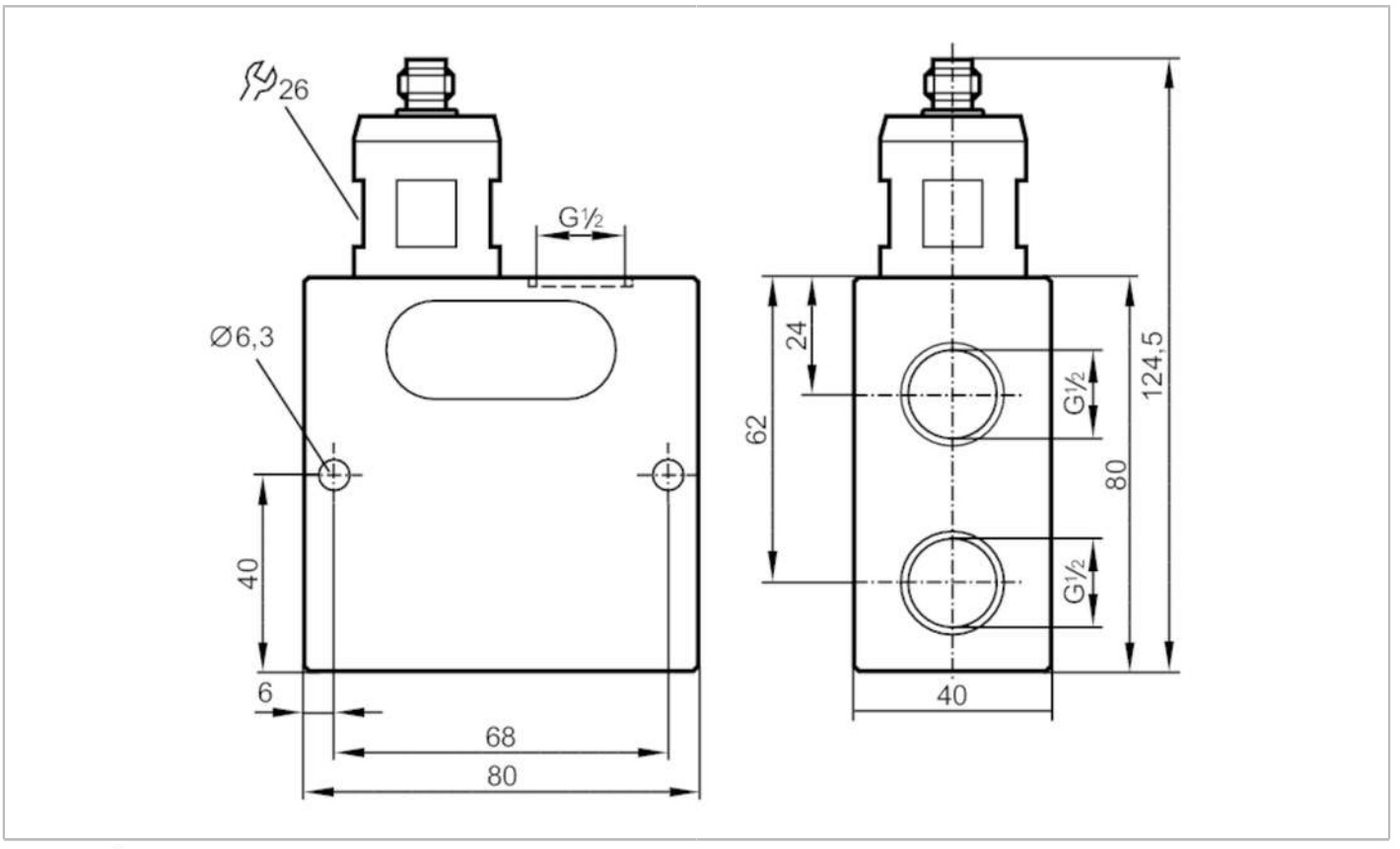
SBU625

Flow transmitter with integrated backflow prevention

SBU12DI040KG/US



Product characteristics			
Measuring range	[l/min]	0.3...75	
Process connection		threaded connection G 1/2 internal thread	
Application			
Application		machine tools; Internal cooling of drill	
Media		Liquids; water; glycol solutions; coolants	
Medium temperature	[°C]	0...60	
Pressure rating		200 bar	20 MPa
Electrical data			
Operating voltage tolerance	[%]	-15...10	
Operating voltage	[V]	24 DC; (to SELV/PELV)	
Current consumption	[mA]	10	
Protection class		III	
Reverse polarity protection		yes	
Outputs			
Output signal		analogue signal	
Analogue voltage output	[V]	0.5...10	
Min. load resistance	[Ω]	10000	
Short-circuit protection		yes	
Overload protection		yes	

SBU625

Flow transmitter with integrated backflow prevention

SBU12DI040KG/US

Measuring/setting range			
Measuring range	[l/min]	0.3...75	
Flow range	[l/min]	75	
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]	15.78	
Mechanical data			
Weight	[g]	738	
Housing		rectangular	
Dimensions	[mm]	124.5 x 80 x 40	
Materials		aluminium anodised; PA	
Materials (wetted parts)		stainless steel (316 / 1.4401); brass; aluminium anodised; PU; O-ring: FKM	
Process connection		threaded connection G 1/2 internal thread	
Switching cycles mechanical		10 million	
Accessories			
Items supplied		sealing plugs	
Remarks			
Remarks		Temperature changes slightly affect the specified standard settings for coolants.	
		For oils, the settings are influenced by temperature and viscosity.	
		Recommendation Use 200 micron filtration	
		All data refer to coolants (20 °C).	
Pack quantity		1 pcs.	

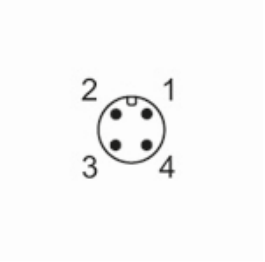
SBU625

Flow transmitter with integrated backflow prevention

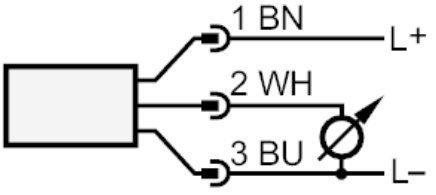
SBU12DI040KG/US

Electrical connection

Connector: 1 x M12; coding: A



Connection



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

BN =	brown
BU =	blue
WH =	white

Diagrams and graphs

