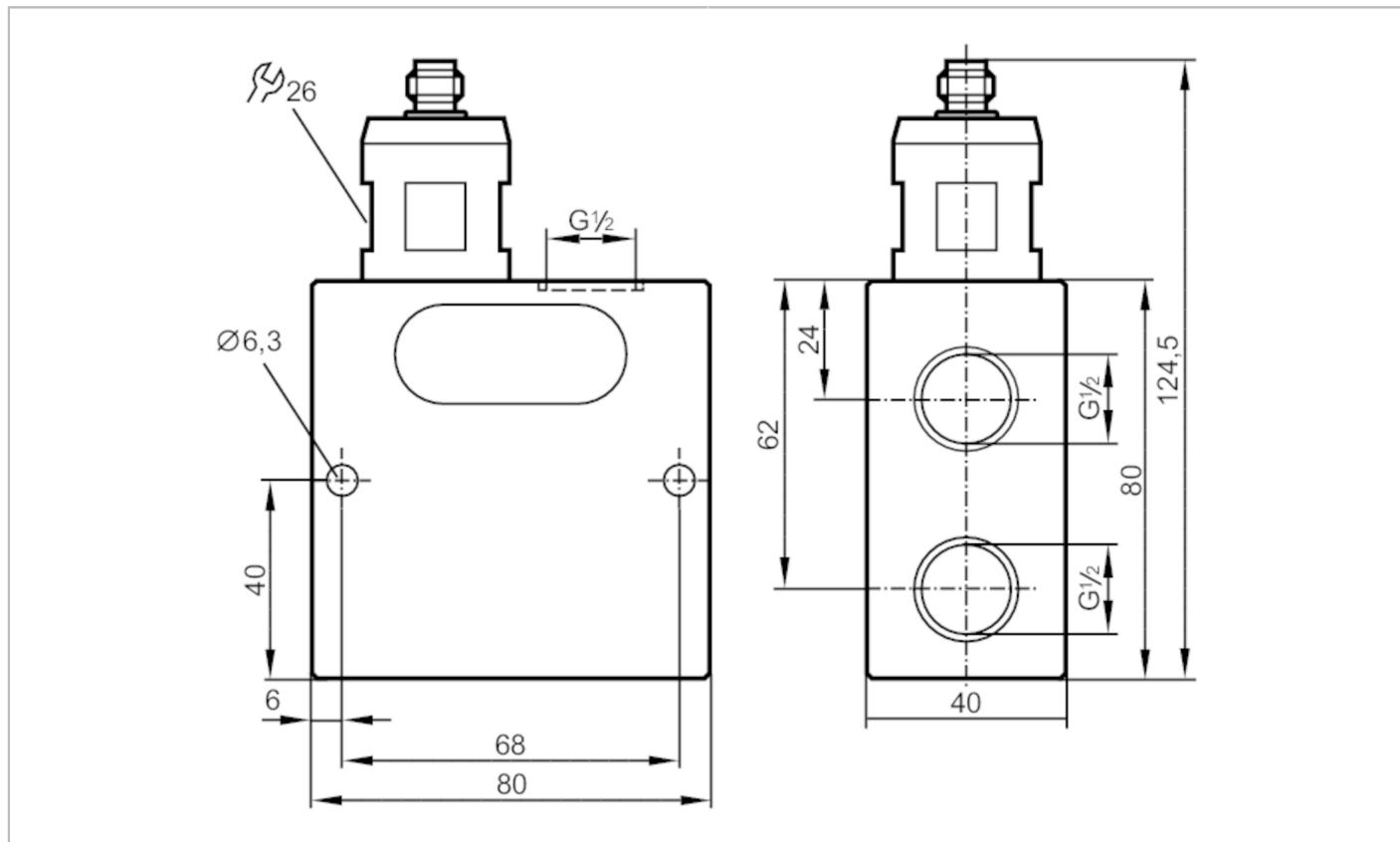


# SBU624

## Flow transmitter with integrated backflow prevention

SBU12DI040KG/US



### Product characteristics

Measuring range [l/min] 0.3...50

Process connection G 1/2

### Application

Application machine tools; Internal cooling of drill

Medium temperature [°C] 0...60

Pressure rating [bar] 200

### 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

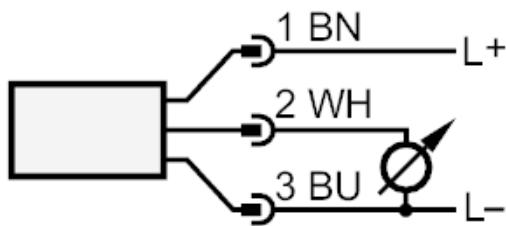
Short-circuit protection yes

Overload protection yes



<b>Measuring/setting range</b>		
Measuring range	[l/min]	0.3...50
Flow range	[l/min]	75
<b>Accuracy / deviations</b>		
Repeatability	[% of the final value]	1
Measuring error	[% of the final value]	± 5
<b>Response times</b>		
Response time	[s]	< 0.01
<b>Operating conditions</b>		
Ambient temperature	[°C]	0..60
Storage temperature	[°C]	-15...80
Protection		IP 65; IP 67
<b>Tests / approvals</b>		
EMC		DIN EN 61000-6-2
		DIN EN 61000-6-3
Shock resistance		DIN EN 60068-2-27
Vibration resistance		DIN EN 60068-2-6
MTTF	[years]	15.78
<b>Mechanical data</b>		
Weight	[g]	737
Materials		aluminium anodised; PA
Materials (wetted parts)		stainless steel (1.4401 / 316); brass; aluminium anodised; PU; O-ring: FKM
Process connection		G 1/2
Switching cycles mechanical		10 million
<b>Accessories</b>		
Accessories (supplied)		sealing plugs
<b>Remarks</b>		
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.
<b>Electrical connection</b>		
Connector: 1 x M12		

### Connection



colours to DIN EN 60947-5-2

Core colours :

BN = brown

BU = blue

WH = white