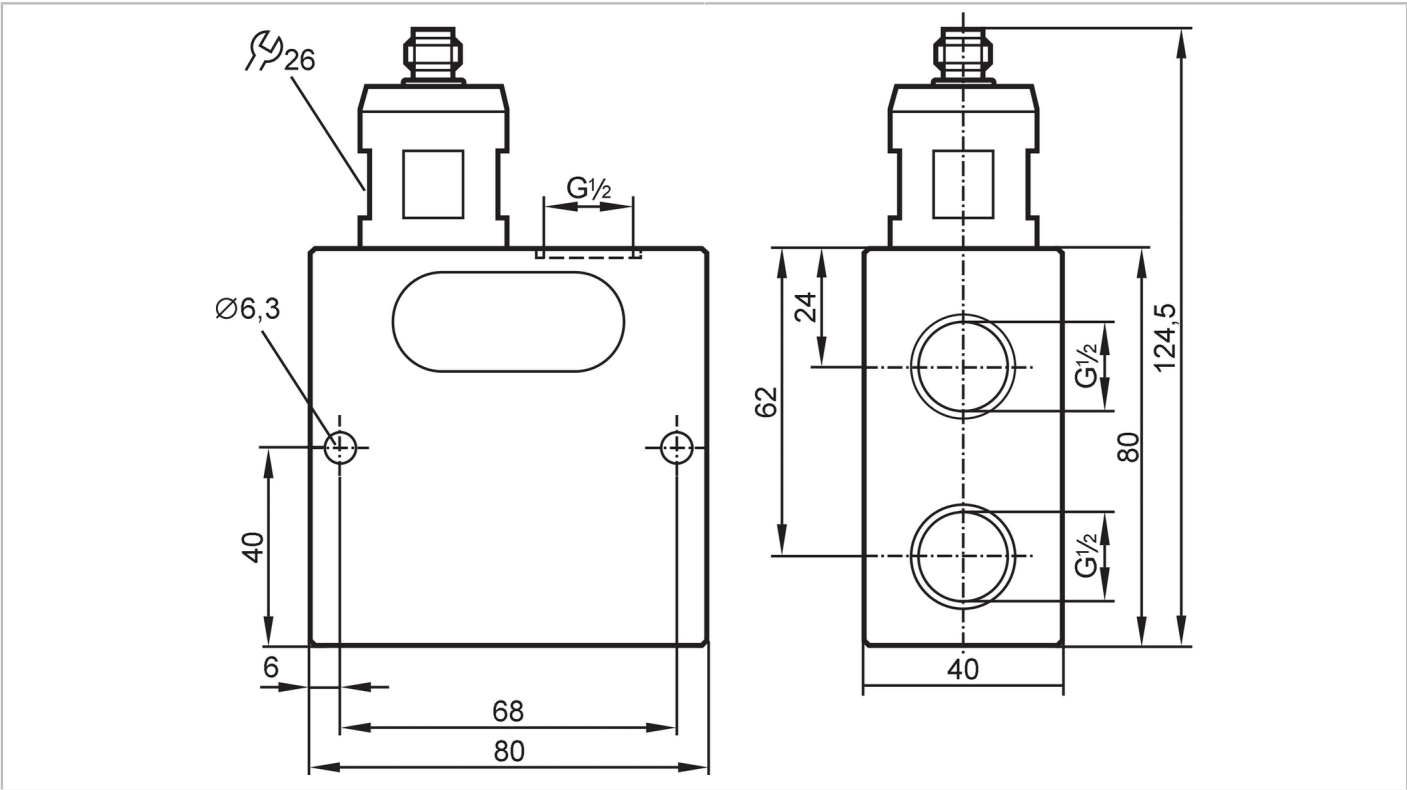


SBU624



Flow transmitters with fast response time

SBU12DI040KG/US



Product characteristics		
Measuring range	[l/min]	0.3...50
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		analog signal
Analog voltage output	[V]	0.5...10
Min. load resistance	[Ω]	10000
Short-circuit protection		yes
Overload protection		yes
Measuring/setting range		
Measuring range	[l/min]	0.3...50



Flow transmitters with fast response time

SBU12DI040KG/US

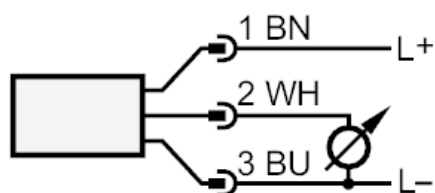
Flow range	[l/min]	75
Accuracy / deviations		
Repeatability		1
	[% of the final value]	
Measuring error		± 5
	[% of the final value]	
Reaction times		
Response time	[s]	< 0.01
Operating conditions		
Ambient temperature	[°C]	0...60
Storage temperature	[°C]	-15...80
Protection		IP 65; IP 67
Tests / approvals		
EMC		DIN EN 61000-6-2
		DIN EN 61000-6-3
Shock resistance		DIN EN 60068-2-27
Vibration resistance		DIN EN 60068-2-6
MTTF	[years]	3545
Mechanical data		
Weight	[g]	737
Housing		rectangular
Dimensions	[mm]	124.5 x 80 x 40
Material		aluminum anodized; PA
Materials (wetted parts)		stainless steel (1.4401 / 316); brass; aluminum anodized; PU; O-ring: FKM
Process connection		threaded connection G 1/2 Internal thread
Switching cycles mechanical		10 million
Accessories		
Items supplied		sealing plug
Remarks		
Remarks		Temperature changes 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.
Electrical connection		
Connector: 1 x M12; coding: A; Contacts: 4		



Flow transmitters with fast response time

SBU12DI040KG/US

Connection



Colors to DIN EN 60947-5-2

Core colors :

BN = brown
BU = blue
WH = white

Diagrams and graphs

