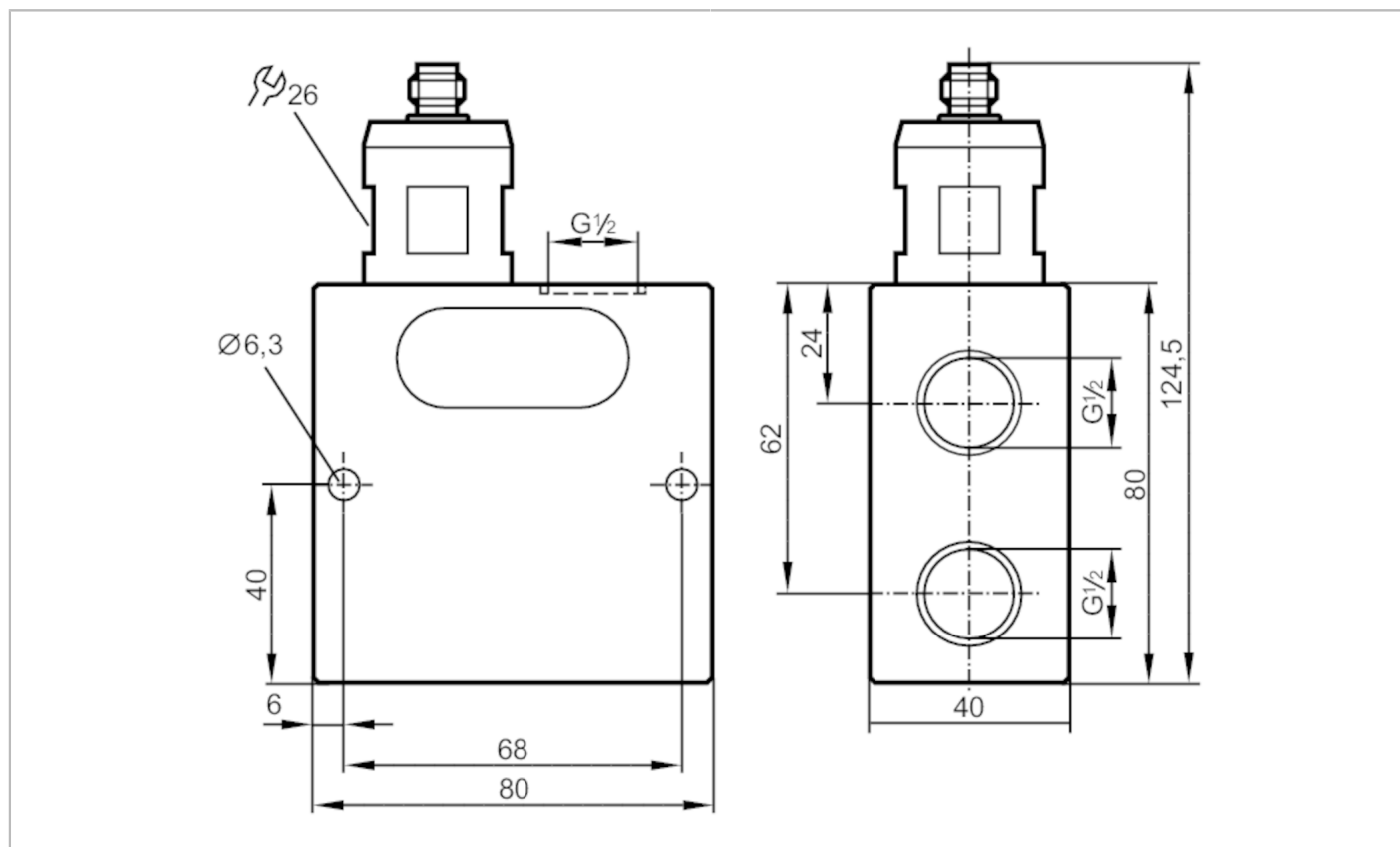




Flow transmitter with integrated backflow prevention

SBU12DI040KG/US



Product characteristics

Measuring range	[l/min]	0.3...25
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



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Measuring/setting range		
Measuring range	[l/min]	0.3...25
Flow range	[l/min]	75
Accuracy / deviations		
Repeatability		1
	[% of the final value]	
Measuring error		± 5
	[% of the final value]	
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]	3004
Mechanical data		
Weight	[g]	740.5
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.

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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

