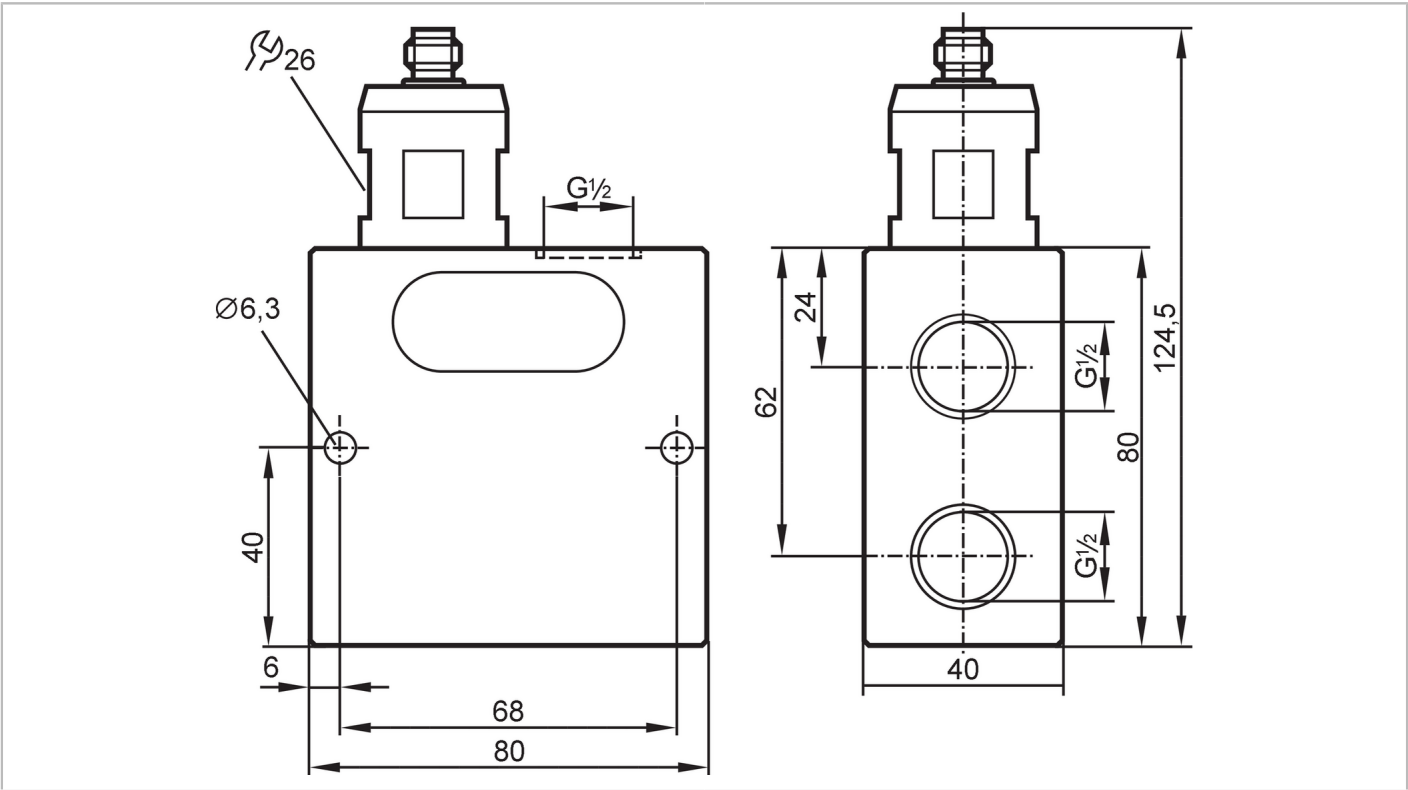


SBU623



Flow transmitters with fast response time

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		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...25
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SBU623



Flow transmitters with fast response time

SBU12DI040KG/US

Flow range	[l/min]	75
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Accuracy / deviations

Repeatability		1
	[% of the final value]	
Measuring error		± 5
	[% of the final value]	

Reaction times

Response time	[s]	< 0.01
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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
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
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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

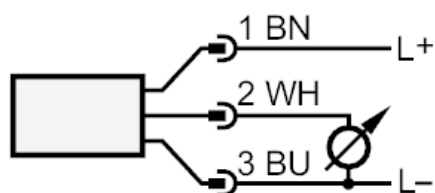




Flow transmitters with fast response time

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Connection



Colors to DIN EN 60947-5-2

Core colors :

BN = brown
BU = blue
WH = white

Diagrams and graphs

