

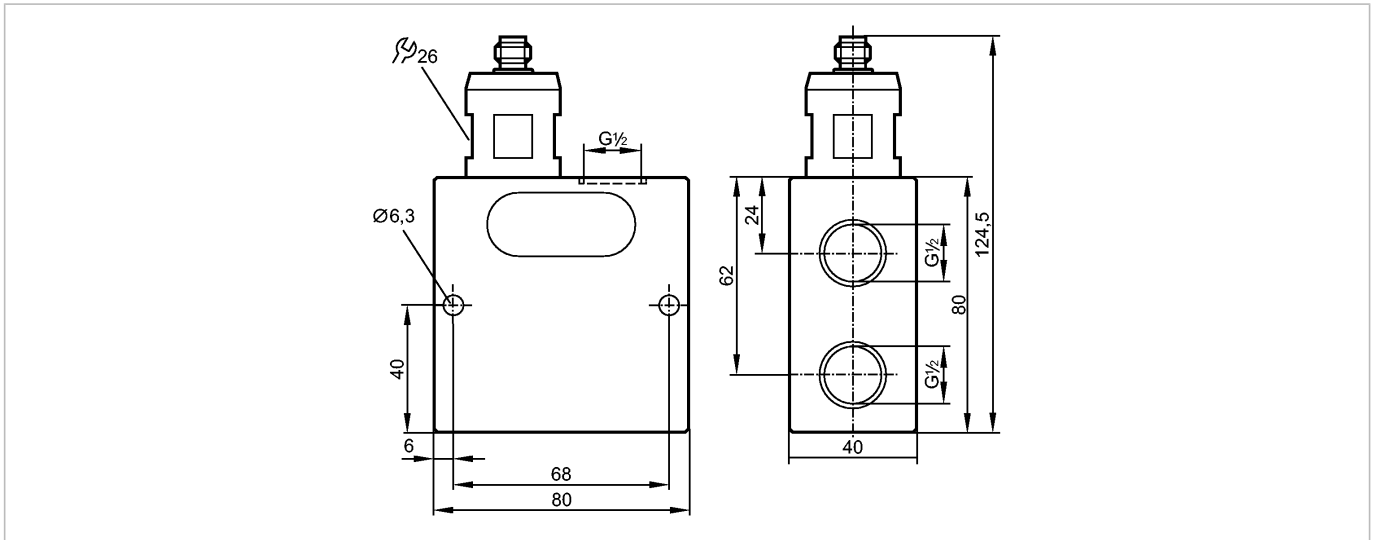


SBU924

SBU12DI040KG/US



Flow sensors



Product characteristics

Flow transmitter

with non-return valve

Process connection: G 1/2

Analog output

Measuring range: 2...50 l/min

Application

Application machine tools, drill with internal cooling

Pressure rating [bar] 200

Medium temperature [°C] 0...60

Electrical data

Electrical design DC

Operating voltage [V] 24 DC (-15% / +10%); to SELV/PELV

Current consumption [mA] 10

Protection class III

Reverse polarity protection yes

Outputs

Output function analog

Short-circuit protection yes

Overload protection yes

Analog output 0.5...10 V

Min. load [Ω] 10000

Measuring / setting range

Measuring range [l/min] 2...50, linearised

Flow range [l/min] 75

Accuracy / deviations

Repeatability [% of the final value] 1

Accuracy [% of the final value] ± 5

Reaction times

Response time [s] < 0.01

Environment



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Flow sensors

Ambient temperature	[°C]	0...60
Storage temperature	[°C]	-15...80
Protection		IP 65 / IP 67

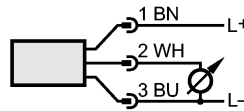
Tests / approvals		
EMC		DIN EN 61000-6-2 DIN EN 61000-6-3
Shock resistance		DIN EN 60068-2-27 20 g (11 ms)
Vibration resistance		DIN EN 60068-2-6 5 g (10...2000 Hz)
MTTF	[Years]	15.78

Mechanical data		
Process connection		G ½
Materials (wetted parts)		stainless steel 316 / 1.4401; brass; aluminum anodized; PU (polyurethane); O-ring: FKM
Housing materials		aluminum anodized; PA
Switching cycles min.		10 million
Weight	[kg]	0.771

Electrical connection	
Connection	M12 connector

Wiring

Core colors
 BN brown
 BU blue
 WH white



Colours to DIN EN 60947-5-2

Accessories	
Accessories (included)	sealing plug

Remarks	
Remarks	<p>Temperature changes affect the specified standard settings for coolants.</p> <p>For oils, the settings are influenced by temperature and viscosity.</p> <p>Use of 200 micron filtration is recommended.</p> <p>All indications apply to coolants (20 °C)</p>

Pack quantity	[piece]	1
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