

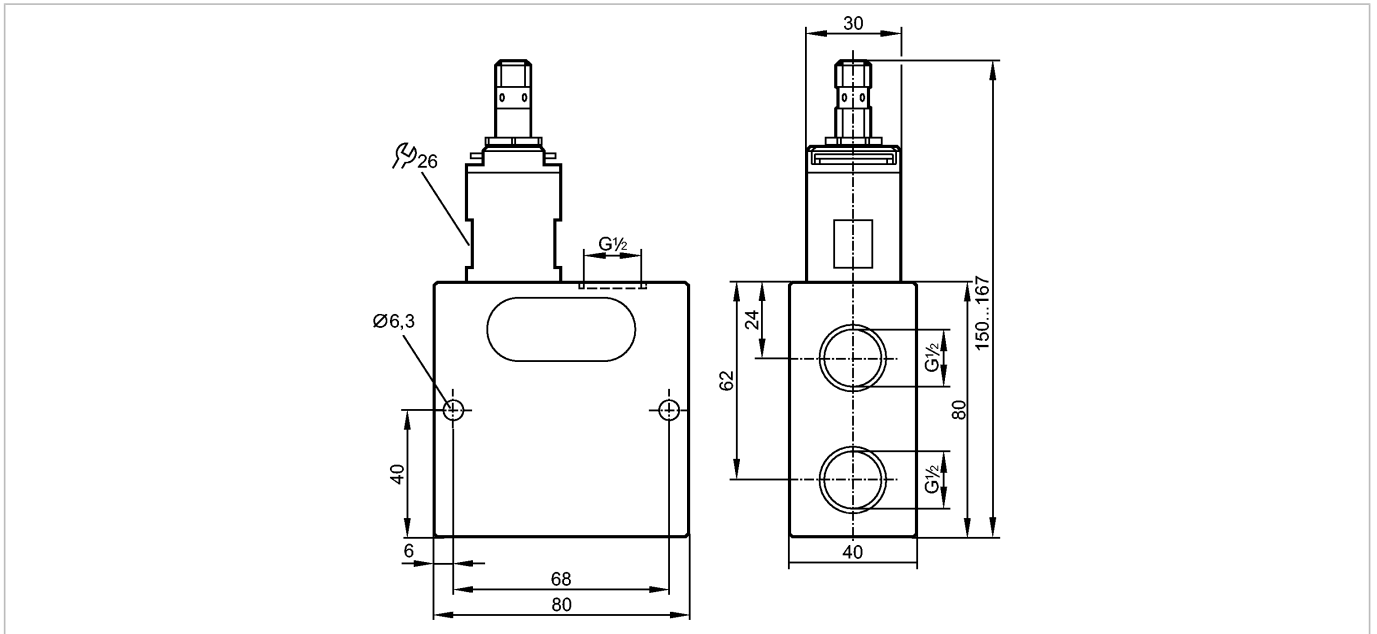


SBU323

SBU12DI0BPKG/US



Flow sensors



Product characteristics

Flow monitor

with non-return valve

Process connection: G 1/2

Setting range: 0.3...25 l/min

Application

Application machine tools, drill with internal cooling

Pressure rating [bar] 200

Medium temperature [°C] 0...60

Electrical data

Electrical design DC PNP

Operating voltage [V] 10...30 DC; to SELV/PELV

Current consumption [mA] < 15

Protection class III

Reverse polarity protection yes

Outputs

Output function normally open

Current rating [mA] 100

Voltage drop [V] < 2.5

Short-circuit protection yes

Overload protection yes

Measuring / setting range

Flow range [l/min] 75

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

Accuracy / deviations

Hysteresis [l/min] 0.1...1

Repeatability [% of the final value] 1

Accuracy [% of the final value] ± 5

Reaction times



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Flow sensors

Response time	[s]	< 0.01
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Environment

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 301 / 1.4310; stainless steel (304S15); aluminum anodized; PBT; PU (polyurethane); O-ring: FKM
Housing materials		aluminum anodized; PA
Switching cycles min.		10 million
Weight	[kg]	0.774

Displays / operating elements

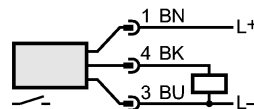
Output status indication	LED	yellow (4 x 90°)
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Electrical connection

Connection		M12 connector
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Wiring

Core colors
 BK black
 BN brown
 BU blue



Colours to DIN EN 60947-5-2

Accessories

Accessories (included)		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. Use of 200 micron filtration is recommended. All indications apply to coolants (20 °C)
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Pack quantity	[piece]	1
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