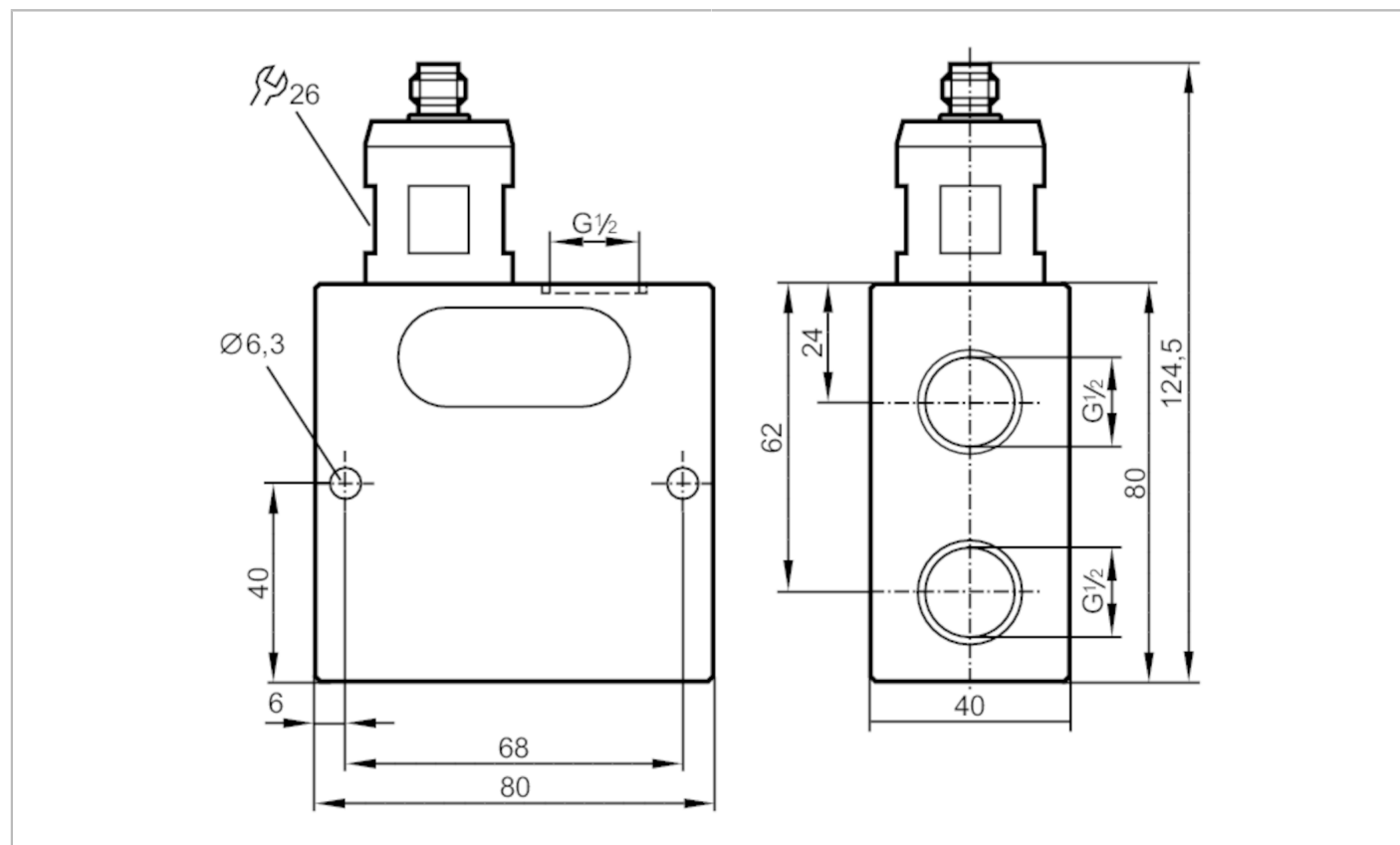


SBU624



Flow transmitter with integrated backflow prevention

SBU12DI040KG/US



Application

Application	machine tools; Internal cooling of drill
Medium temperature [°C]	0...60
Pressure rating [bar]	200

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

Measuring/setting range

Measuring range [l/min]	0.3...50
Flow range [l/min]	75



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Accuracy / deviations		
Repeatability [% of the final value]		1
Measuring error [% of the final value]		± 5
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]		15.78
Mechanical data		
Weight [g]		727.6
Materials		aluminium anodised; PA
Materials (wetted parts)		stainless steel (1.4401 / 316); brass; aluminium anodised; PU; O-ring: FKM
Process connection		G 1/2
Switching cycles mechanical		10 million
Accessories		
Accessories (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.
Electrical connection		
Connector: 1 x M12		

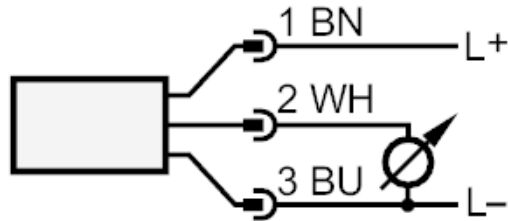
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Connection



colours to DIN EN 60947-5-2

Core colours :

BN =	brown
BU =	blue
WH =	white