

## SBU12DI040KG/US



|                    |         |          |
|--------------------|---------|----------|
| Measuring range    | [l/min] | 0.3...25 |
| Process connection |         | G 1/2    |

|                         |  |
|-------------------------|--|
| Application             | machine tools; Internal cooling of drill   |
| Media                   | Liquids; water; glycol solutions; coolants |
| Medium temperature [°C] | 0...60                                     |
| Pressure rating [bar]   | 200  |
| Pressure rating [MPa]   | 20   |

|                             |      |                       |
|-----------------------------|------|-----------------------|
| Operating voltage tolerance | [%]  | -15...10              |
| Operating voltage           | [V]  | 24 DC; (to SELV/PELV) |
| Current consumption         | [mA] | 10                    |
| Protection class            |      | III                   |
| Reverse polarity protection |      | yes                   |

|                          |     |                 |
|--------------------------|-----|-----------------|
| Output signal            |     | analogue signal |
| Analogue voltage output  | [V] | 0.5...10        |
| Min. load resistance     | [Ω] | 10000           |
| Short-circuit protection |     | yes             |
| Overload protection      |     | yes             |



## Flow transmitter with integrated backflow prevention

SBU12DI040KG/US

| 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  |
| Materials                   |   | aluminium anodised; PA   |
| Materials (wetted parts)    |   | stainless steel (316 / 1.4401); brass; aluminium anodised; PU; O-ring: FKM |
| Process connection          |   | G 1/2  |
| 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.   |
| Electrical connection       |   |  |

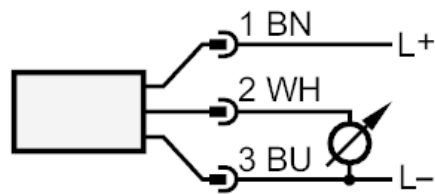
Connector: 1 x M12; coding: A



## Flow transmitter with integrated backflow prevention

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### Connection



colours to DIN EN 60947-5-2

Core colours :

BN = brown  
BU = blue  
WH = white

### Diagrams and graphs

