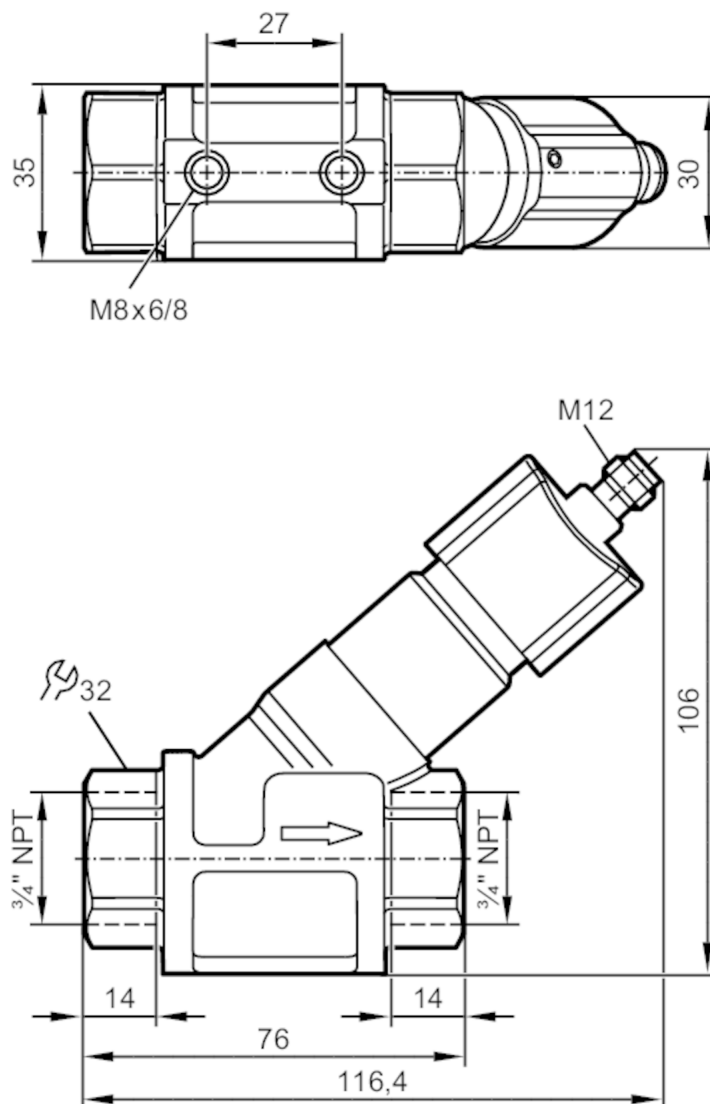


## Flow transmitter with integrated backflow prevention

SBN34HF010KG/US

Please note the changed housing design!



## Product characteristics

|                    |       |          |
|--------------------|-------|----------|
| Measuring range    | [gpm] | 0.2...6  |
| Process connection |       | 3/4" NPT |

## Application

|                    |       |                                            |
|--------------------|-------|--------------------------------------------|
| Media              |       | Liquids; water; glycol solutions; coolants |
| Medium temperature | [°F]  | 14...212                                   |
| Pressure rating    | [bar] | 40                                         |
| Pressure rating    | [MPa] | 4                                          |

## Electrical data

|                   |     |                            |
|-------------------|-----|----------------------------|
| Operating voltage | [V] | 18...32 DC; (to SELV/PELV) |
|-------------------|-----|----------------------------|



## Flow transmitter with integrated backflow prevention

SBN34HF010KG/US

|                                |                   |                                                                                             |
|--------------------------------|-------------------|---------------------------------------------------------------------------------------------|
| Current consumption            | [mA]              | < 35                                                                                        |
| Protection class               |                   | III                                                                                         |
| Reverse polarity protection    |                   | yes                                                                                         |
| <b>Outputs</b>                 |                   |                                                                                             |
| Output signal                  |                   | analogue signal                                                                             |
| Analogue current output        | [mA]              | 4...20                                                                                      |
| Max. load                      | [Ω]               | 500                                                                                         |
| Short-circuit protection       |                   | yes                                                                                         |
| Overload protection            |                   | yes                                                                                         |
| <b>Measuring/setting range</b> |                   |                                                                                             |
| Measuring range                | [gpm]             | 0.2...6                                                                                     |
| <b>Accuracy / deviations</b>   |                   |                                                                                             |
| Repeatability                  | [X16]             | 1                                                                                           |
| Measuring error                | [X16]             | ± 5                                                                                         |
| <b>Response times</b>          |                   |                                                                                             |
| Response time                  | [s]               | < 0.01                                                                                      |
| <b>Operating conditions</b>    |                   |                                                                                             |
| Ambient temperature            | [°F]              | 32...140                                                                                    |
| Storage temperature            | [°F]              | 5...176                                                                                     |
| Protection                     |                   | IP 65; IP 67                                                                                |
| <b>Tests / approvals</b>       |                   |                                                                                             |
| 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                           | [ANN]             | 778                                                                                         |
| <b>Mechanical data</b>         |                   |                                                                                             |
| Weight                         | [g]               | 476                                                                                         |
| Materials                      |                   | brass chemically nickel-plated; PP; stainless steel (1.4404 / 316L); aluminium anodised; PA |
| Materials (wetted parts)       |                   | stainless steel (316 / 1.4401); brass; brass chemically nickel-plated; PP; PPS; O-ring: FKM |
| Process connection             |                   | 3/4" NPT                                                                                    |
| Switching cycles mechanical    |                   | 10 million                                                                                  |
| <b>Remarks</b>                 |                   |                                                                                             |
| Remarks                        |                   | Recommendation Use 200 micron filtration                                                    |
|                                |                   | All data refer to water (68 °F).                                                            |
| Notes                          |                   | Please note the changed housing design!                                                     |
| Pack quantity                  |                   | 1 pcs.                                                                                      |

## Flow transmitter with integrated backflow prevention

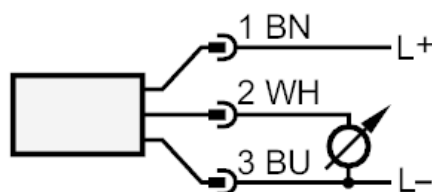
SBN34HF010KG/US

### Electrical connection

Connector: 1 x M12; coding: A



### Connection



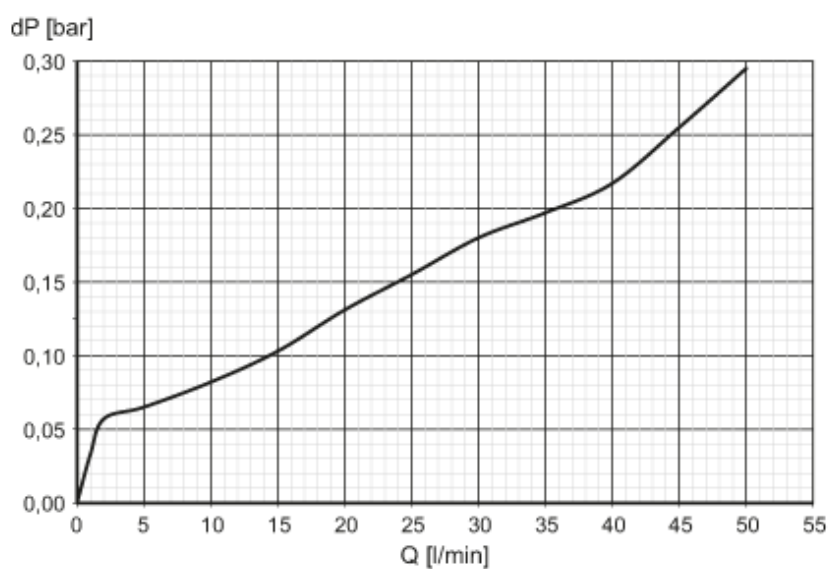
colours to DIN EN 60947-5-2

Core colours :

BN = brown  
BU = blue  
WH = white

### Diagrams and graphs

Pressure loss



dP Pressure loss

Q volumetric flow quantity