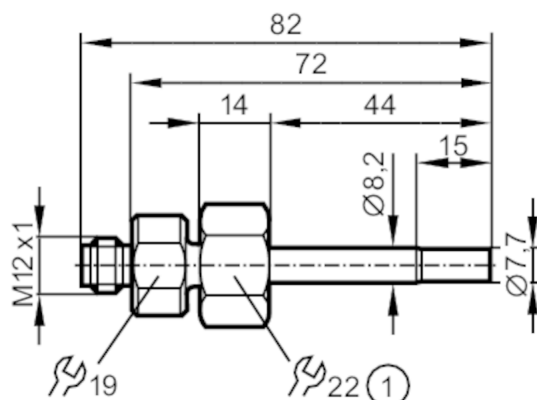




## Flow sensor for connection to an evaluation unit

SFD10ABB /US-100



## Application

|                         |                        |
|-------------------------|------------------------|
| Application             | high-temperature range |
| Media                   | Liquids; Gases         |
| Medium temperature [°C] | -25...80               |
| Pressure rating [bar]   | 30                     |

## Liquids

|                         |                        |
|-------------------------|------------------------|
| Application             | high-temperature range |
| Medium temperature [°C] | -25...80               |

## Gases

|                         |          |
|-------------------------|----------|
| Medium temperature [°C] | -25...80 |
|-------------------------|----------|

## Electrical data

|                               |        |
|-------------------------------|--------|
| Connection to control monitor | VS3000 |
|-------------------------------|--------|

## Measuring/setting range

|                     |    |
|---------------------|----|
| Probe length L [mm] | 45 |
|---------------------|----|

## Liquids

|                             |         |
|-----------------------------|---------|
| Setting range [cm/s]        | 3...300 |
| Greatest sensitivity [cm/s] | 3...60  |

## Gases

|                             |            |
|-----------------------------|------------|
| Setting range [cm/s]        | 200...3000 |
| Greatest sensitivity [cm/s] | 200...800  |

## Accuracy / deviations

|                              |     |
|------------------------------|-----|
| Temperature gradient [K/min] | 300 |
|------------------------------|-----|

## Response times

|                   |        |
|-------------------|--------|
| Response time [s] | 1...10 |
|-------------------|--------|

## Liquids

|                   |        |
|-------------------|--------|
| Response time [s] | 1...10 |
|-------------------|--------|

## Gases

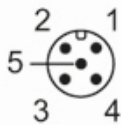
|                   |        |
|-------------------|--------|
| Response time [s] | 1...10 |
|-------------------|--------|

SF0537

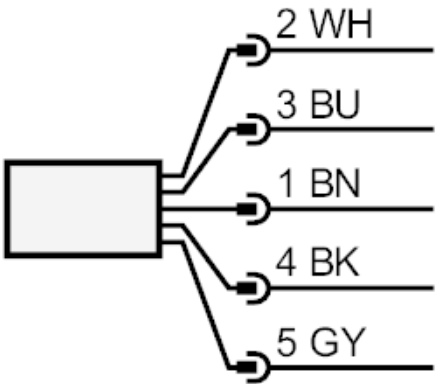


Flow sensor for connection to an evaluation unit

SFD10ABB /US-100

| Operating conditions                                                                           |                                                         |                     |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|
| Protection                                                                                     | IP 67                                                   |                     |
| Tests / approvals                                                                              |                                                         |                     |
| Shock resistance                                                                               | DIN IEC 68-2-27                                         | 40 g (11 ms)        |
| Vibration resistance                                                                           | DIN IEC 68-2-6                                          | 10 g (55...2000 Hz) |
| MTTF                                                                                           | [years]                                                 | 8213                |
| Mechanical data                                                                                |                                                         |                     |
| Weight                                                                                         | [g]                                                     | 86.8                |
| Housing                                                                                        | for adapter                                             |                     |
| Materials                                                                                      | stainless steel (1.4404 / 316L)                         |                     |
| Materials (wetted parts)                                                                       | stainless steel (1.4404 / 316L); O-ring: FKM 80 Shore A |                     |
| Process connection                                                                             | M18 x 1,5 internal thread                               |                     |
| Remarks                                                                                        |                                                         |                     |
| Pack quantity                                                                                  | 1 pcs.                                                  |                     |
| Electrical connection                                                                          |                                                         |                     |
| Connector: 1 x M12; Maximum cable length: 100 m                                                |                                                         |                     |
| <div></div> |                                                         |                     |

Connection



|                |       |
|----------------|-------|
| Core colours : |       |
| BN =           | brown |
| BU =           | blue  |
| BK =           | black |
| WH =           | white |
| GY =           | grey  |