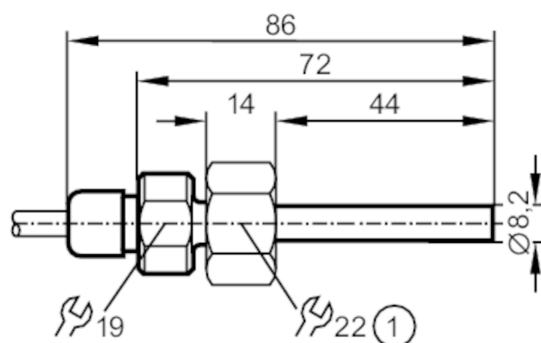


# SF5300



## Flow sensor for connection to an evaluation unit

SFD10ZDB /6M



1 internal thread M18 x 1.5



### Product characteristics

|                    |      |                                               |
|--------------------|------|-----------------------------------------------|
| Probe length L     | [mm] | 45                                            |
| Process connection |      | threaded connection M18 x 1,5 internal thread |

### Application

|                 |         |                        |
|-----------------|---------|------------------------|
| Application     |         | high-temperature range |
| Media           |         | Liquids; Gases         |
| Pressure rating | 300 bar | 30 MPa                 |

### Liquids

|                    |      |         |
|--------------------|------|---------|
| Medium temperature | [°C] | 0...120 |
|--------------------|------|---------|

### Gases

|                    |      |         |
|--------------------|------|---------|
| Medium temperature | [°C] | 0...100 |
|--------------------|------|---------|

### 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 |
|---------------|-----|--------|

### Operating conditions

|            |  |       |
|------------|--|-------|
| Protection |  | IP 67 |
|------------|--|-------|

# SF5300



## Flow sensor for connection to an evaluation unit

SFD10ZDB /6M

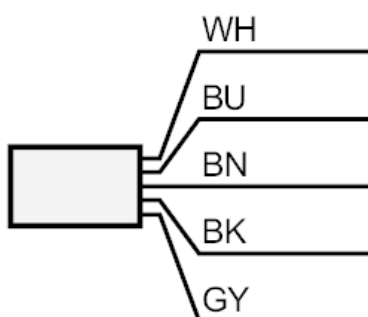
| Tests / approvals    |                 |                     |
|----------------------|-----------------|---------------------|
| Shock resistance     | DIN IEC 68-2-27 | 40 g (11 ms)        |
| Vibration resistance | DIN IEC 68-2-6  | 10 g (55...2000 Hz) |
| MTTF [years]         |                 | 8096                |

| Mechanical data             |                                                                                                                    |             |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------|-------------|
| Weight [g]                  |                                                                                                                    | 454.5       |
| Housing                     |                                                                                                                    | cylindrical |
| Materials                   | Lock nut: stainless steel; Cable gland: FKM; nut for cable gland: brass nickel-plated; Sleeve: brass nickel-plated |             |
| Materials (wetted parts)    | stainless steel (316L/1.4404); O-ring: FKM 80 Shore A                                                              |             |
| Process connection          | threaded connection M18 x 1,5 internal thread                                                                      |             |
| Probe diameter [mm]         |                                                                                                                    | 8.2         |
| Installation length EL [mm] |                                                                                                                    | 44          |

| Remarks       |        |
|---------------|--------|
| Pack quantity | 1 pcs. |

| Electrical connection                                                       |
|-----------------------------------------------------------------------------|
| Cable: 6 m, silicone; Maximum cable length: 100 m; 5 x 0.34 mm <sup>2</sup> |

| Connection |
|------------|
|------------|



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