

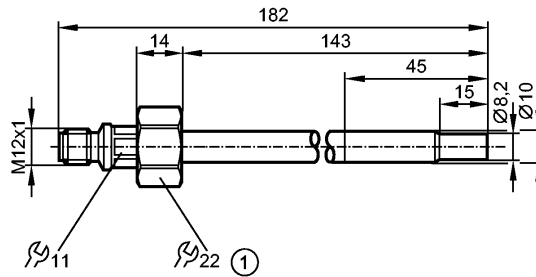


# SF5703

SFD10ADT /US-100



Flow sensors



1: internal thread M18 x 1.5



### Product characteristics

Flow sensor for connection to evaluation units

for adapter

Quick disconnect

Process connection: internal thread M18 x 1.5 for adapter (titanium)

### Application

Application: liquids and gases, aggressive media

Pressure rating [bar]: 100

Medium temperature [°C]: -25...80

### Electrical data

Connection to control monitor: VS3000

### Measuring / setting range

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

Max. temperature gradient of medium [K/min]: 300

### Reaction times

Response time [s]: 1...10

### Environment

Protection: IP 67

### Tests / approvals

Shock resistance: DIN IEC 68-2-27: 50 g (11 ms)

Vibration resistance: DIN IEC 68-2-6: 10 g (55...2000 Hz)

MTTF [Years]: 8393.77

### Mechanical data

Process connection: internal thread M18 x 1.5 for adapter (titanium)

Materials (wetted parts): titanium (3.7035); O-ring: FKM 8 x 1.5 gr 80° Shore A

Housing materials: titanium (3.7035); EPDM; ULTEM

Probe length L [mm]: 143

Weight [kg]: 0.105

### Electrical connection



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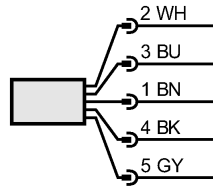
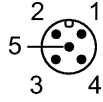


Flow sensors

Connection	M12 connector
Max. cable length [m]	100 (5 x 0.5mm <sup>2</sup> )

### Wiring

- Core colors
- BN brown
  - BU blue
  - BK black
  - WH white
  - GY grey



### Remarks

Pack quantity [piece]	1
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