

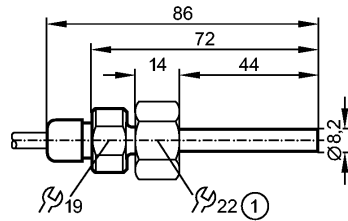


# SF5300

SFD10ZDB /6M



Flow sensors



1: internal thread M18 x 1.5



## Product characteristics

Flow sensor for connection to evaluation units

for adapter

Cable

Process connection: internal thread M18 x 1.5 for adapter

## Application

Application liquids and gases, high temperature

Pressure rating [bar] 300

Medium temperature Liquids [°C] 0...120

Medium temperature Gases [°C] 0...100

## 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: 40 g (11 ms)

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

MTTF [Years] 8096

## Mechanical data

Process connection internal thread M18 x 1.5 for adapter

Materials (wetted parts) stainless steel 316L / 1.4404; O-ring: FKM 8 x 1.5 gr 80° Shore A

Housing materials nut: high-grade stainless steel; cable gland: FKM; nut for cable gland: brass nickel-plated; housing: brass nickel-plated

Probe length L [mm] 45



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Weight	[kg]	0.449
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### Electrical connection

Connection	silicone-sheated cable / 6 m; 5 x 0.34 mm <sup>2</sup>	
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Max. cable length	[m]	100 (5 x 0.5mm <sup>2</sup> )
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### Wiring

Core colors

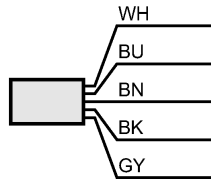
BN brown

BU blue

BK black

WH white

GY grey



### Remarks

Pack quantity	[piece]	1
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