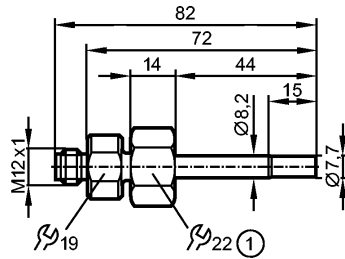


SF0537

SFD10ABB /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

Application

Application	liquids and gases
Pressure rating [bar]	30
Medium temperature [°C]	-25...80

Electrical data

Connection to control monitor	VS3000
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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
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Reaction times

Response time [s]	1...10
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Environment

Protection	IP 67
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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

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	stainless steel 316L / 1.4404
Probe length L [mm]	45
Weight [kg]	0.087

Electrical connection

SF0537

SFD10ABB /US-100

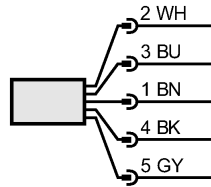
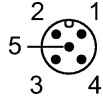
Flow sensors

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

Wiring

Core colors

BN brown
 BU blue
 BK black
 WH white
 GY grey



Remarks

Pack quantity [piece]	1
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