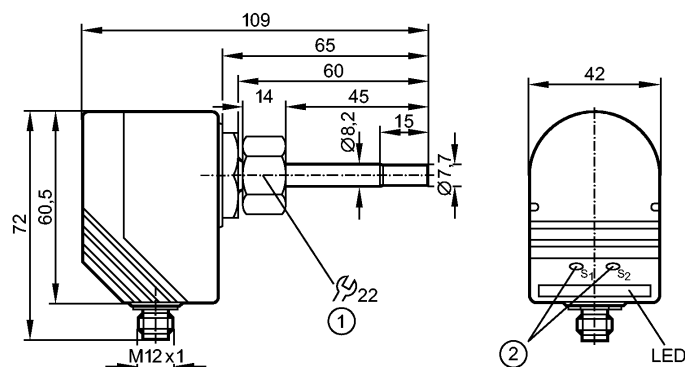


SI0508

SID10ABBFPKG/US-100-IPF

Flow sensors



1: internal thread M18 x 1.5

2: setting pushbuttons

Made in Germany



Product characteristics

Flow monitor

Compact type for adapter

Process connection: internal thread M18 x 1.5 for adapter

Probe length: 45 mm

Simple switch point adjustment by shifting the detection range

Setting range: 3...300 cm/s (liquids)

Application

Application	liquids and gases
Medium temperature [°C]	-25...80

Electrical data

Electrical design	DC PNP
Operating voltage [V]	20...36 DC ¹⁾
Current consumption [mA]	< 80
Reverse polarity protection	yes

Outputs

Output function	normally open / closed programmable
Current rating [mA]	400
Voltage drop [V]	< 2.5
Short-circuit protection	pulsed
Overload protection	yes

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

Reaction times

Power-on delay time [s]	10 *)
Response time [s]	1...10

Software / programming

SI0508

SID10ABBFPKG/US-100-IPF

Flow sensors

Adjustment of the switch point	+/- push buttons
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Environment

Pressure rating	[bar]	30
Ambient temperature	[°C]	-25...80 (UB < 28 V DC) / ... 60 (UB > 28 V DC)
Protection		IP 67

Tests / approvals

Shock resistance	DIN IEC 68-2-27:	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6:	20 g (55...2000 Hz)
MTTF	[Years]	258

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		PBT-GF 20
Probe length L	[mm]	45
Weight	[kg]	0.256

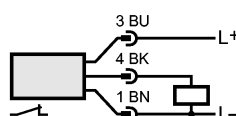
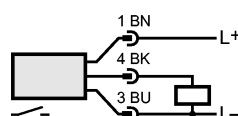
Displays / operating elements

Function display	LED	10 LEDs, three-colour
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Electrical connection

Connection		M12 connector
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Wiring



Remarks

Remarks	n.c. = not connected 1) to EN50178, SELV, PELV *) optically indicated
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Pack quantity	[piece]	1
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