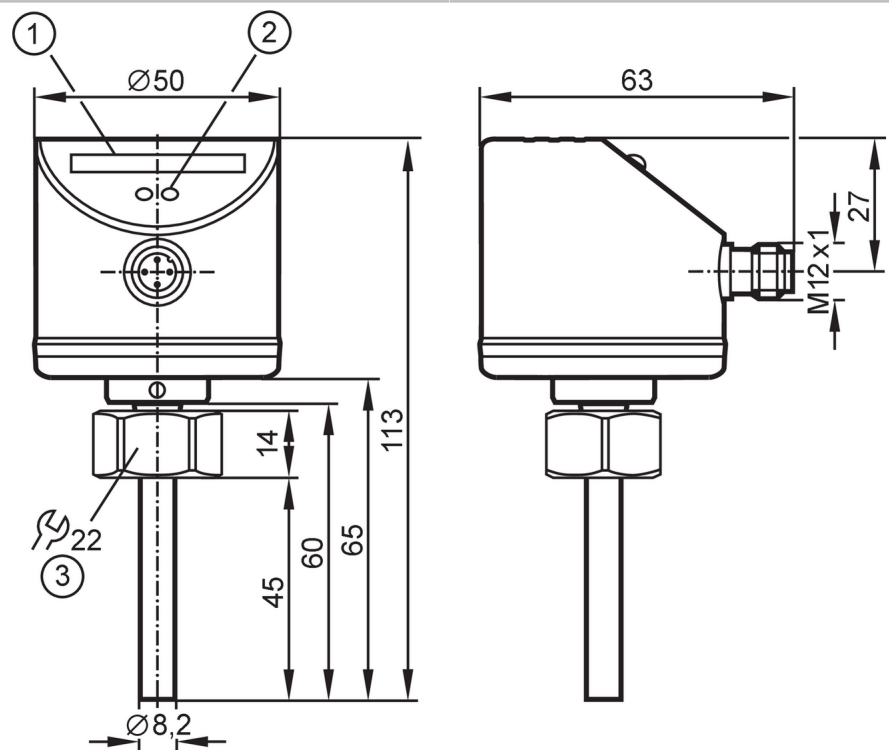


SI0550



Flow monitor

SID10ADBFPKG/US-100



- 1 LED display
- 2 setting pushbutton
- 3 Tightening torque 25 Nm



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1
Process connection	threaded connection M18 x 1,5 Internal thread

Application

Application	Coolants; oils in machine tools
Medium temperature [°C]	-25...80
Pressure rating	300 bar 30 MPa

Liquids

Application	Coolants; oils in machine tools
Medium temperature [°C]	-25...80

Electrical data

Operating voltage [V]	19...36 DC
Current consumption [mA]	< 60
Protection class	III
Reverse polarity protection	yes
Power-on delay time [s]	10

Inputs / outputs

Number of inputs and outputs	Number of digital outputs: 1
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Outputs

Total number of outputs	1
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SI0550



Flow monitor

SID10ADBFPKG/US-100

Output signal	switching signal	
Electrical design	PNP	
Number of digital outputs	1	
Output function	normally open / closed; (configurable)	
Max. voltage drop switching output DC [V]	2.5	
Permanent current rating of switching output DC [mA]	250	
Short-circuit protection	yes	
Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Measuring/setting range		
Probe length L [mm]	45	
Liquids		
Setting range [cm/s]	3...300	
Greatest sensitivity [cm/s]	3...100	
Accuracy / deviations		
Repeatability [cm/s]	1...5	
Temperature drift [cm/s x 1/K]	0.1	
Switch point accuracy [cm/s]	± 2...± 10	
Hysteresis [cm/s]	2...5	
Reaction times		
Response time [s]	< 1	
Liquids		
Response time [s]	< 1	
Software / programming		
Adjustment of the switch point	pushbuttons	
Operating conditions		
Ambient temperature [°C]	-25...80	
Storage temperature [°C]	-25...100	
Protection	IP 67	
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
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]	298	
Mechanical data		
Weight [g]	245.3	
Housing	tubular	
Dimensions [mm]	Ø 50 / L = 113	

SI0550



Flow monitor

SID10ADBFPKG/US-100

Material	stainless steel (1.4404 / 316L); stainless steel (1.4310 / 301); PC; PBT-GF20; EPDM/X
Materials (wetted parts)	stainless steel (1.4404 / 316L); 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]	45

Displays / operating elements

Display	Function	10 x LED, three-color
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Remarks

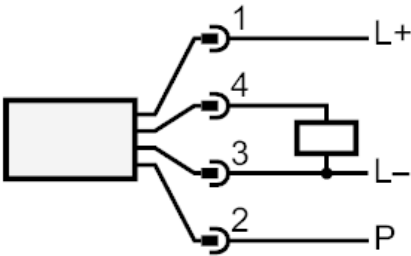
Remarks	The installation remarks in the operating instructions must be adhered to in order to ensure a reliable function.
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4



Connection



P = programming wire for remote calibration