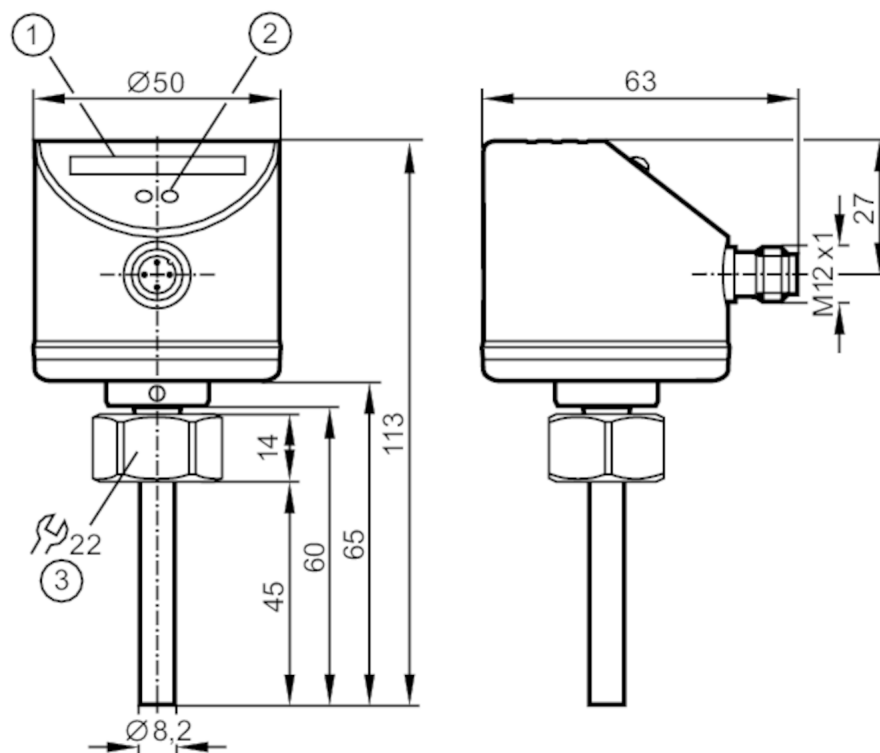




Flow monitor

SID10ADBFPKG/US-100



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



Application

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

Liquids

Application	Kuehlschmiermittel_plural; 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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Flow monitor

SID10ADBFPKG/US-100

Outputs		
Total number of outputs		1
Output signal		switching signal
Electrical design		PNP
Number of digital outputs		1
Output function		normally open / normally closed; (parameterisable)
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		pulsed
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
Response times		
Response time [s]		< 1
Liquids		
Response time [s]		< 1
Software / programming		
Adjustment of the switch point		pushbutton
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

SI0550



Flow monitor

SID10ADBFPKG/US-100

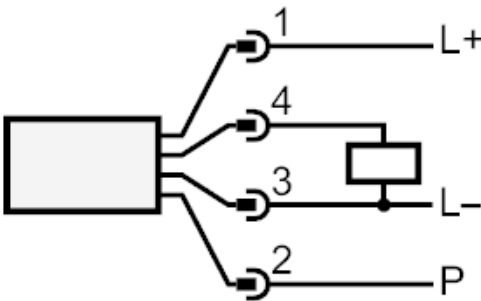
Mechanical data		
Weight	[g]	235.8
Dimensions	[mm]	M18 x 1.5
Thread designation		M18 x 1.5
Materials		stainless steel (1.4404 / 316L); stainless steel (1.4310 / 301); PC; PBT-GF20; EPDM/X
Materials (wetted parts)		stainless steel (1.4404 / 316L); O-ring: FKM 80 Shore A
Process connection		M18 x 1,5 internal thread
Displays / operating elements		
Display	function	10 x LED, three-colour
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



Connection



P = programming wire for remote calibration