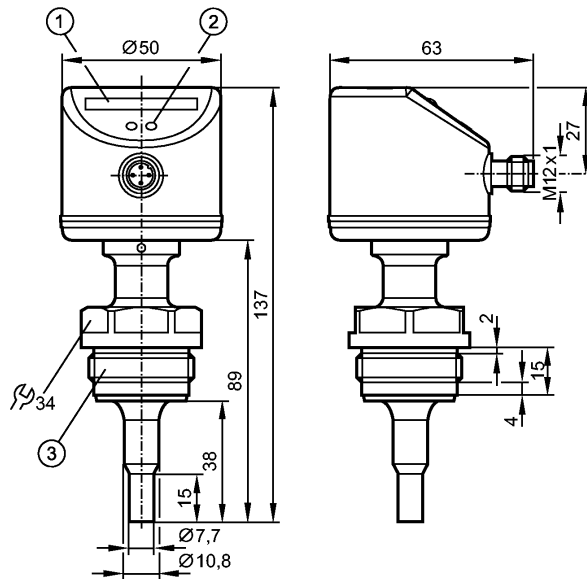


SI6700

SIR11ABBFPGK/US-100-IPF

Flow sensors


- 1: LED display
- 2: setting pushbutton
- 3: G1/Aseptoflex Vario thread


EHDG Certified

EC 1935/2004

Made in Germany

Product characteristics

Flow monitor

Process connection: G 1 A / Aseptoflex Vario

Probe length: 38 mm

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

Application

Application	hygienic systems
Medium temperature [°C]	-25...95 ***)

Electrical data

Electrical design	DC PNP
Operating voltage [V]	19...36 DC
Current consumption [mA]	< 60
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	normally open / closed programmable
Current rating [mA]	250
Voltage drop [V]	< 2.5
Short-circuit protection	Yes (non-latching)
Overload protection	yes

Measuring / setting range

Liquids

Setting range [cm/s]	3...300
Greatest sensitivity [cm/s]	3...100

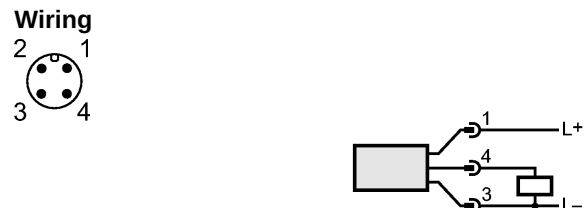
Gases

Setting range [cm/s]	200...3000
Greatest sensitivity [cm/s]	200...800

SI6700

SIR11ABBFPKG/US-100-IPF

Flow sensors

Accuracy / deviations		
Switch point accuracy	[cm/s]	$\pm 2... \pm 10$ *)
Hysteresis	[cm/s]	2...5 *)
Repeatability	[cm/s]	1...5 *)
Temperature drift	[cm/s x 1/K]	0.1 **)
Max. temperature gradient of medium	[K/min]	300
Reaction times		
Power-on delay time	[s]	10
Response time	[s]	1...10
Software / programming		
Adjustment of the switch point		pushbuttons
Environment		
Pressure rating	[bar]	30
Ambient temperature	[°C]	-25...60
Protection		IP 67 / IP 69K
Tests / approvals		
EMC	EN 61000-4-2 ESD: EN 61000-4-3 HF radiated: EN 61000-4-4 Burst: EN 61000-4-6 HF conducted:	4 kV CD / 8 kV AD 10 V/m 2 kV 10 V
Shock resistance	DIN IEC 68-2-27:	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6:	10 g (55...2000 Hz)
MTTF	[Years]	298
Mechanical data		
Process connection		G 1 A / Aseptoflex Vario
Materials (wetted parts)		stainless steel 316L / 1.4435; surface characteristics: Ra < 0.4 / Rz 4
Housing materials		stainless steel 316L / 1.4404; PC (polycarbonate); PBT-GF 20; EPDM/X; sealing: FKM
Probe length L	[mm]	38
Installation length EL	[mm]	54.8
Weight	[kg]	0.422
Displays / operating elements		
Function display	LED	10 LEDs, three-colour
Electrical connection		
Connection		M12 connector; gold-plated contacts
Wiring 		
Remarks		
Remarks		*) for water; 5...100 cm/s; 25°C (factory setting) **) for water; 5...100 cm/s; 10...70°C



SI6700

SIR11ABBFPKG/US-100-IPF

Flow sensors

	***) ...140°C for SIP process
Pack quantity [piece]	1