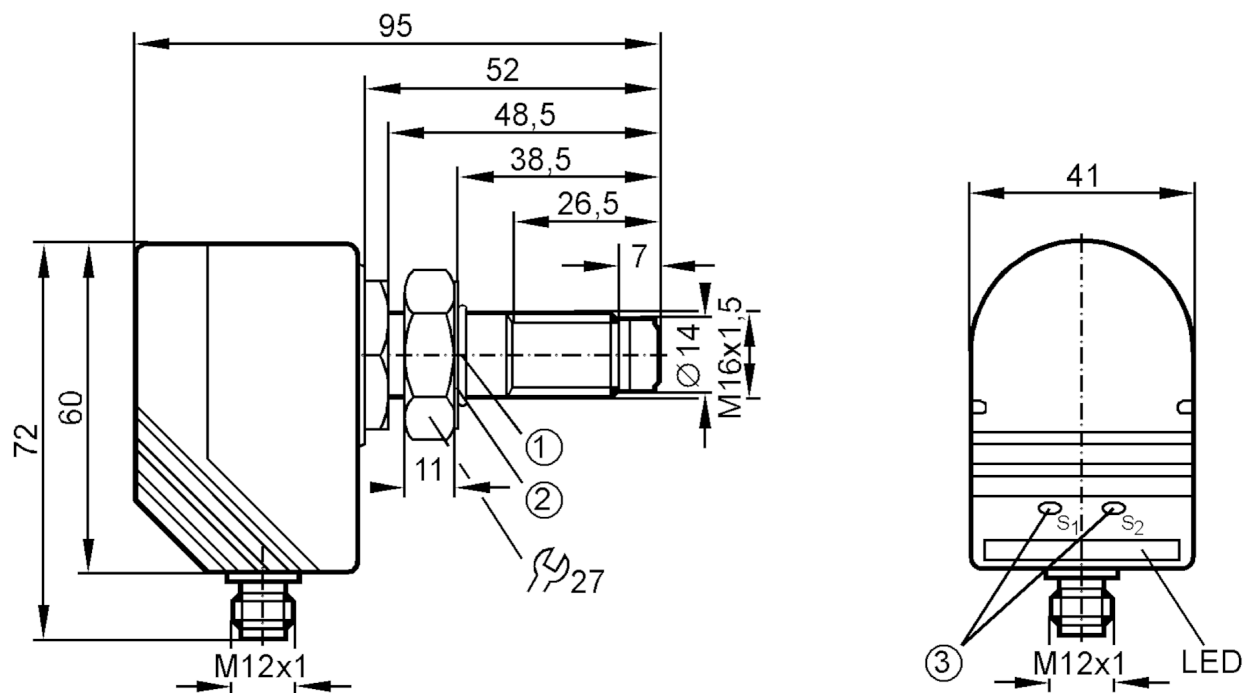


Flow monitor

SAM16BBDGNKG/W/US-100

Article no longer available - archive entry



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2
Process connection	M16 x 1,5

Application

Design	for pipes DN 40...DN 100
Media	water
Note on media	Clean water without contamination and additives. Dirt/build-up on the sensor tip affects the measurement accuracy. Check the sensor tip for build-up from time to time. If necessary, clean with a soft cloth and a vinegar cleansing agent.
Pressure rating [bar]	30

Electrical data

Operating voltage [V]	20...28 DC; (to SELV/PELV)
Current consumption [mA]	< 80
Reverse polarity protection	yes
Power-on delay time [s]	15; (optically indicated)

Inputs / outputs

Number of inputs and outputs	Number of digital outputs: 2
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Outputs

Total number of outputs	2
Output signal	switching signal
Electrical design	NPN



Flow monitor

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Number of digital outputs	2
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Measuring/setting range

Flow range [cm/s]	3...150
Setting range [cm/s]	3...147

Accuracy / deviations

Note on repeatability	7 (v < 150 cm/s), 3 (v < 50 cm/s)
Temperature gradient [K/min]	200
Hysteresis [cm/s]	ca. 10
Measuring error [% of the final value]	max. ± 10

Response times

Response time [s]	1...5
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Software / programming

Adjustment of the switch point	pushbutton
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Operating conditions

Ambient temperature [°C]	-20...60
Protection	IP 67

Mechanical data

Materials	PBT-GF20
Materials (wetted parts)	stainless steel (316Ti/1.4571) partly nickel-plated
Process connection	M16 x 1,5

Displays / operating elements

Display	function	10 x LED, multi-colour Resolution 10% of the final value
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Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A



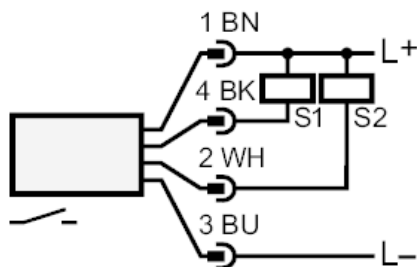
SA3001



Flow monitor

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Connection



BN =	Core colours :
BU =	brown
BK =	blue
WH =	black
	white