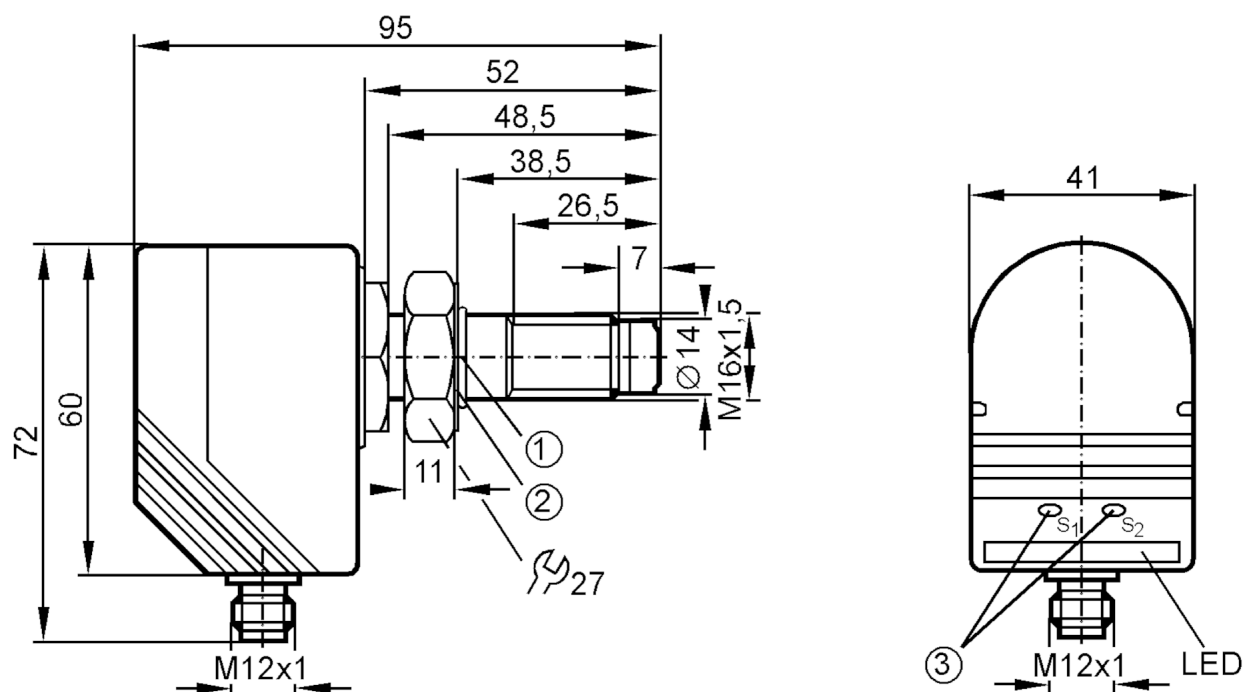


Flow monitor

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

SA3001



Flow monitor

SAM16BBDGNKG/W/US-100

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	yes (non-latching)	
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)	
Max. temperature gradient of medium [K/min]	200	
Hysteresis [cm/s]	ca. 10	
Measuring error [% of the final value]	max. ± 10	
Reaction times		
Response time [s]	1...5	
Software / programming		
Adjustment of the switch point	pushbuttons	
Operating conditions		
Ambient temperature [°C]	-20...60	
Protection	IP 67	
Mechanical data		
Material	PBT-GF20	
Materials (wetted parts)	stainless steel (1.4571/316Ti) partly nickel-plated	
Process connection	M16 x 1,5	
Displays / operating elements		
Display	Function	10 x LED, multi-color Resolution 10 % of the final value
Remarks		
Pack quantity	1 pcs.	

SA3001



Flow monitor

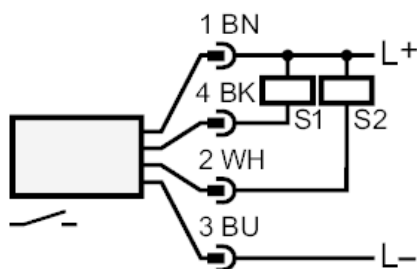
SAM16BBDGNKG/W/US-100

Electrical connection

Connector: 1 x M12; coding: A



Connection



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