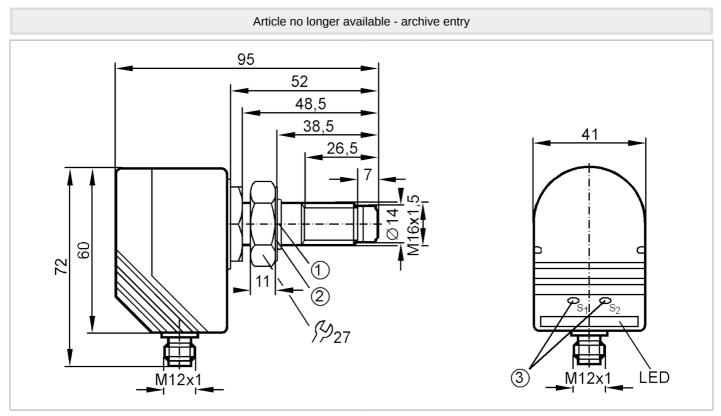
SA3001

Flow monitor







Product characteristics			
Number of inputs and outputs		Number of digital outputs: 2	
Process connection		M16 x 1,5	
Application			
Design		for pipes DN 40DN 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]	2028 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	
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 oper	1
Max. voltage drop switching output DC	g [V]	2.5	
Permanent current rating o switching output DC	f [mA]	200	
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Measuring/setting range			
Flow range	[cm/s]	3150	
Setting range	[cm/s]	3147	
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		max. ± 10	
[% of the final value]			
Response times			
Response time	[S]	15	
Software / programming			
Adjustment of the switch point		pushbutton	
Operating conditions			
Ambient temperature	[°C]	-2060	
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 elem	nents		
Display		unction 10 x L final va	ED, multi-colour Resolution 10% of the alue
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Connector: 1 x M12; coding: A

² ₃

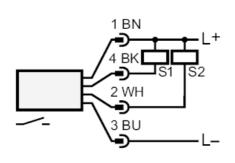
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Flow monitor

SAM16BBDGNKG/W/US-100

Connection





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