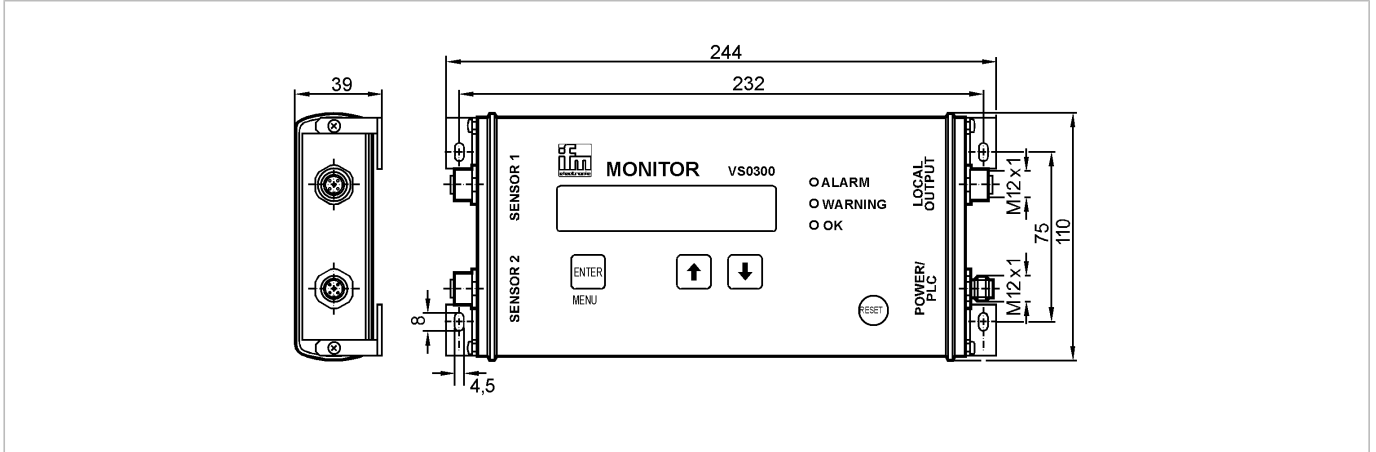




VS0300/24VDC

Evaluation systems



Product characteristics

Control monitor for flow sensors

2 inputs for sensors with analog output 4...20 mA

2 signal outputs for plc (negative switching)

1 relay output

Application

Application

monitoring of liquid media with flow sensors / pressure sensors

Electrical data

Operating voltage [V]

24 DC

Voltage tolerance [%]

± 10

Outputs

Local Output: relay 24 V DC / 3 A, normally open
 protected with 30 V varistors
 PLC1 / PLC2: relay 24 V DC / 5...50 mA, normally open
 protected with 30 V varistors

Inputs

2 current inputs 4...20 mA
 sensor supply: min. 20 V; max. 100 mA
 input resistance: max. 400 Ω
 accuracy: ± 0.5 % of value of measuring range
 resolution: 10 Bit
 sampling rate: 10 (per input)

Outputs

Output function

normally open / closed programmable

Current rating [mA]

< 200; without sensors and without load

Reaction times

Power-on delay time [s]

5

Start-up delay [s]

0...50

Software / programming

Programming options

monitoring min./max. values per sensor
 differential monitoring between sensor 1 and sensor 2
 calibration of sensor 1
 alignment function sensor 1 and sensor 2
 programming via membrane keys (4 push buttons)

Environment

Ambient temperature [°C]

0...50

Protection

IP 65

Mechanical data

Housing materials

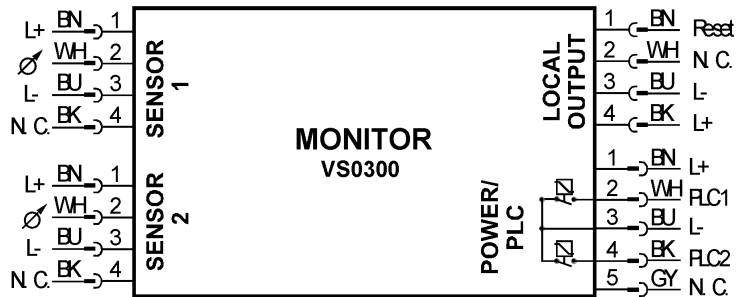
aluminum

SR3001 - Control monitor for flow sensors - eclass: 27279213 / 27-27-92-13

Weight	[kg]	0.83
Displays / operating elements		
Power	LED	green
Output status indication	LED	red (ALARM); orange (WARNING)
Function display	LED	LCD display; 2 x 16
Electrical connection		
Connection		1 x M12 connector 5 pins, 3 x M12 connector 4 pins

Wiring

	Core colors	
PLC1 = ALARMBN	brown	
PLC2 =	BU blue	
WARNING	BK black	
	WH white	
	GY grey	



Remarks

Pack quantity	[piece]	1
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