SN0112

Control monitor for flow sensors

VS0200/110VAC/EX

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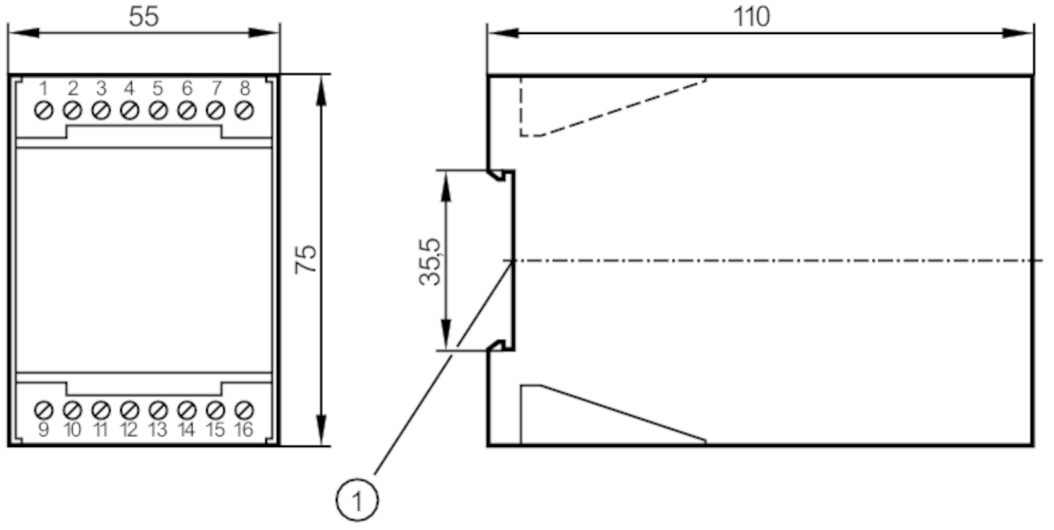

1 mounting on DIN rail

Application		
Application		Flow monitoring; Wire monitoring
Electrical data		
Operating voltage tolerance	[%]	-10...10
Operating voltage	[V]	< 110 AC
Max. power consumption	[VA]	2
Power-on delay time	[s]	30
Outputs		
Electrical design		relay
Contact rating		4 A, 250 V AC / cos phi > 07
Switching function flow monitoring		relay energised when flow is present
Switching function wire break monitoring		relay de-energised in case of wire break
Software / programming		
Adjustment of the switch point		potentiometer
Selection liquids / gases		slide switch
Operating conditions		
Ambient temperature	[°C]	-20...60
Protection		IP 40
Protection rating terminals		IP 20
Tests / approvals		
Approval		PTB Ex-94.C.2030X
Safety classification		
Designation		in protection rating intrinsic safety

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Voltage	[V]	15,8
Current	[mA]	228
Power	[mW]	1410
[Ex ia] IIC designation		[EEx ia] IIC
[Ex ia] IIB designation		[EEx ia] IIB
[Ex ib] IIC designation		[EEx ib] IIC
[Ex ib] IIB designation		[EEx ib] IIB
[Ex ia] IIC inductance		350µH
[Ex ia] IIB inductance		1mH / 2mH
[Ex ib] IIC inductance		350µH
[Ex ib] IIB inductance		3.1mH
[Ex ia] IIC capacitance		57nF
[Ex ia] IIB capacitance		493nF / 294nF
[Ex ib] IIC capacitance		477nF
[Ex ib] IIB capacitance		1.9µF

Mechanical data

Housing		housing for DIN rail mounting
Dimensions	[mm]	75 x 55 x 110
Materials		plastics

Displays / operating elements

Display	function	11 x LED
	switching status	LED, red

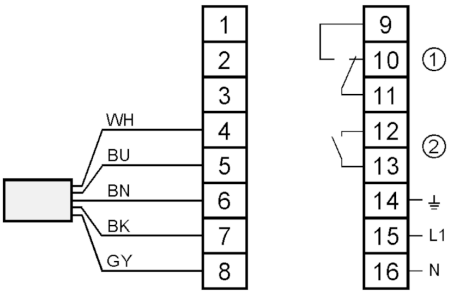
Remarks

Remarks	Caution The control monitor must be mounted outside the hazardous area.
Pack quantity	1 pcs.

Electrical connection

terminals: 16 x ...2.5 mm²

Connection



1:	Relais Flow monitoring
2:	Relais Wire monitoring
	Core colours :
BN =	brown
BU =	blue
BK =	black
WH =	white
GY =	grey