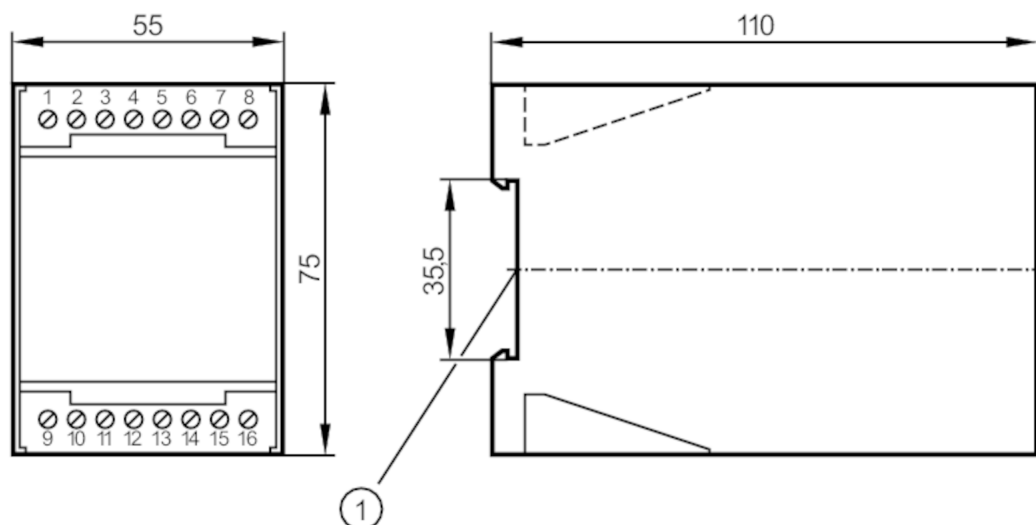# SR0106

Control monitor for flow sensors

VS0200/ 24VDC/EX

Article no longer available - archive entry

Alternative articles: SR2301 When selecting an alternative article and accessories please note that technical data may differ!

1   mounting on DIN rail

Application	
Application	Flow monitoring; Wire monitoring

Electrical data		
Operating voltage tolerance	[%]	-10...10
Operating voltage	[V]	24 DC
Current consumption	[mA]	200
Power-on delay time	[s]	30
Number of channels		1

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

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Tests / approvals	
Approval	PTB Ex-94.C.2030X

Safety classification		
Designation		in protection rating intrinsic safety
Voltage	[V]	15,8
Current	[mA]	208
Power	[mW]	1180
[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		460µH
[Ex ia] IIB inductance		1mH / 2mH
[Ex ib] IIC inductance		460µH
[Ex ib] IIB inductance		3.6mH
[Ex ia] IIC capacitance		53nF
[Ex ia] IIB capacitance		540nF / 360nF
[Ex ib] IIC capacitance		470nF
[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

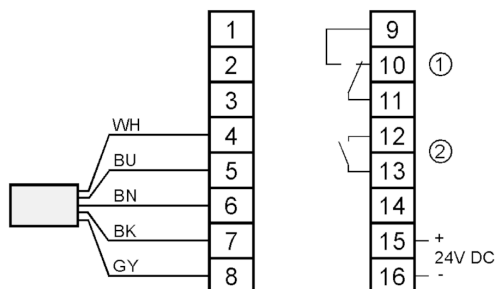| Remarks	
Remarks	Caution The control monitor must be mounted outside the hazardous area.
Pack quantity	1 pcs.

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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