

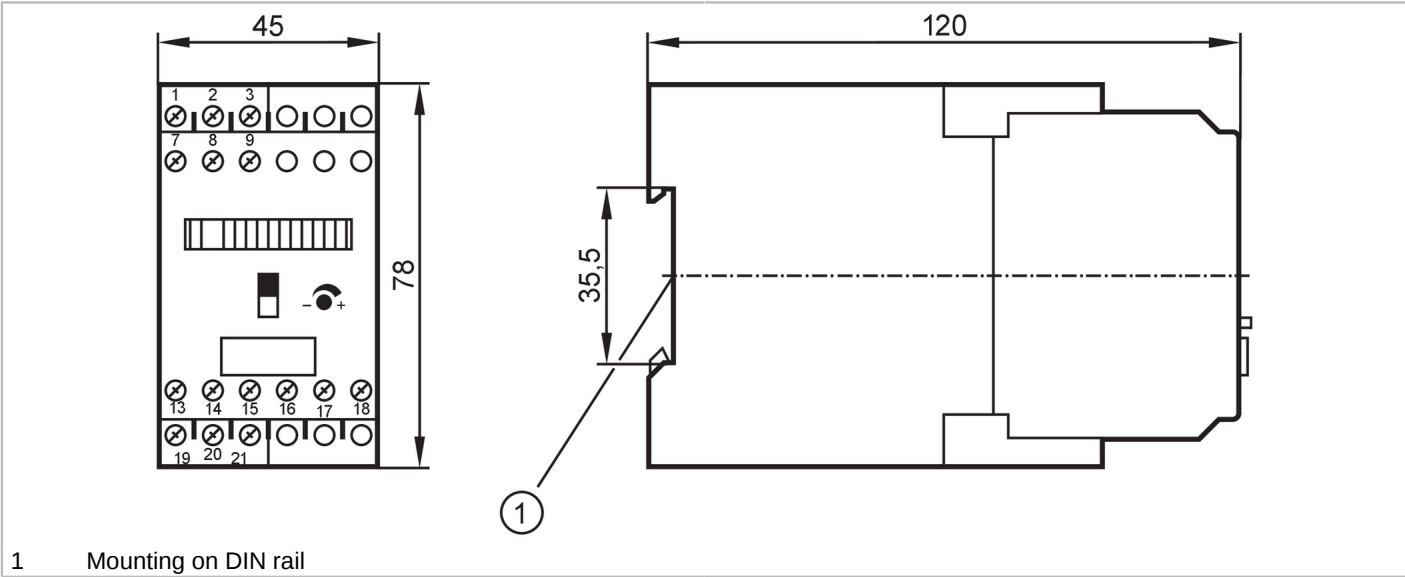


Control monitor for flow sensors

VS2000/110VAC/EXI/1G

Article to be discontinued

Alternative articles: SR2301 + SN0150
When selecting an alternative article and accessories please note that technical data may differ!



Application		
Application	Flow monitoring; Wire break monitoring	
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage tolerance	[%]	-10...10
Operating voltage	[V]	< 110 AC
Max. power consumption	[VA]	5
Reverse polarity protection		no
Power-on delay time	[s]	30
Number of channels		1
Outputs		
Electrical design	Relay	
Contact rating	4 A (250 V AC cos phi > 0,7) ; 0,2 A (250 V DC); 4 A (24 V DC)	
Switching function flow monitoring	relay energized when flow is present	
Switching function wire break monitoring	relay de-energized in case of wire break	
Short-circuit proof	no	
Overload protection	no	
Software / programming		
Adjustment of the switch point	potentiometer	
Selection liquids / gases	with slide switch	

SN2302



Control monitor for flow sensors

VS2000/110VAC/EXII/1G

Operating conditions		
Ambient temperature	[°C]	-20...60
Storage temperature	[°C]	-20...85
Protection		IP 40
Protection rating terminals		IP 20
Tests / approvals		
Approval		PTB 01 ATEX 2075; IECEx PTB 07.0004; TIIS TC16593
ATEX marking		 II (1) G [Ex ia Ga] IIC
MTTF	[years]	248
Mechanical data		
Weight	[g]	506.5
Housing		rectangular
Type of mounting		Mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	78 x 45 x 120
Material		plastics
Displays / operating elements		
Display	Function	11 x LED
	Switching status	LED, red
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting; Place the fuse outside the hazardous area.
Remarks		
Remarks		Caution The control monitor must be mounted outside the hazardous area.
		Recommendation Check the safe functioning of the unit after a short circuit.
Pack quantity		1 pcs.



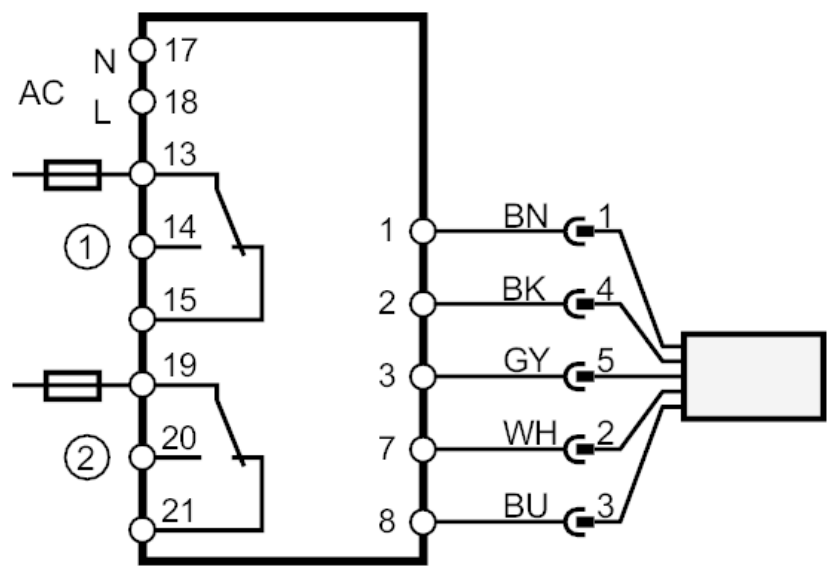
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VS2000/110VAC/EXII1G

Electrical connection

terminals: 15 x ...2.5 mm²

Connection



- 1 Flow monitoring
2 Wire break monitoring
Note miniature fuse to IEC60127-2 sheet 1 ≤ 5 A fast acting
Place the fuse outside the hazardous area.
Core colors :
BN = brown
BU = blue
BK = black
WH = white
GY = grey

Other data

Maximum values for control circuit

in protection rating	[EEx ia] IIC	[EEx ia] IIB	[EEx ib] IIC	[EEx ib] IIB
intrinsic safety				
Voltage [V]	15.8	15.8	15.8	15.8
Current [mA]	92	92	92	92
Power [mW]	680	680	680	680
External inductance [mH]	1	1	1	1
External capacitance [μF]	0.185	1.6	0.185	1.6