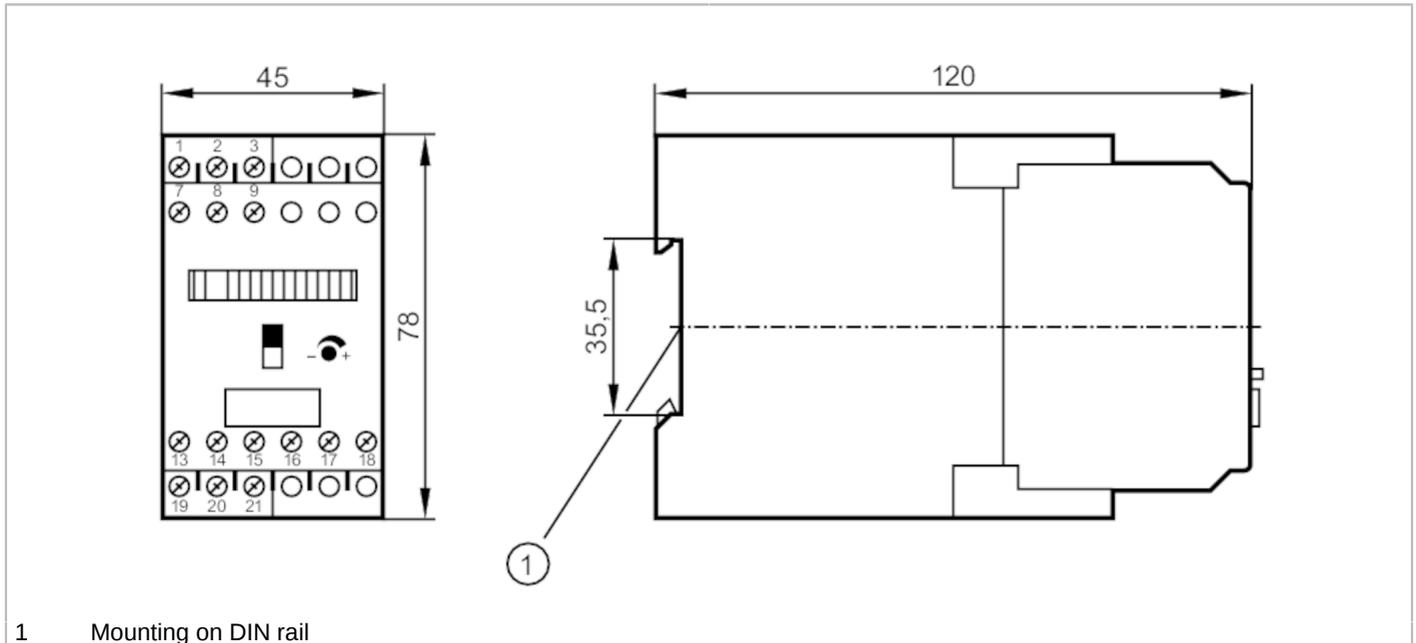


# SR2301



## Control monitor for flow sensors

VS2000/ 24VDC/EXI/1G



Application	
Application	Flow monitoring; Wire break monitoring
Electrical data	
Operating voltage tolerance [%]	-10...10
Operating voltage [V]	24 DC
Current consumption [mA]	125
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
Operating conditions	
Ambient temperature [°C]	-20...60
Protection	IP 40
Protection rating terminals	IP 20

# SR2301



## Control monitor for flow sensors

VS2000/ 24VDC/EXII1G

Tests / approvals		
Approval	PTB 01 ATEX 2075; IECEx PTB 07.0004	
ATEX marking	Ⓔ II (1) G [Ex ia Ga] IIC	
MTTF [years]	231	
Mechanical data		
Weight [g]	352.5	
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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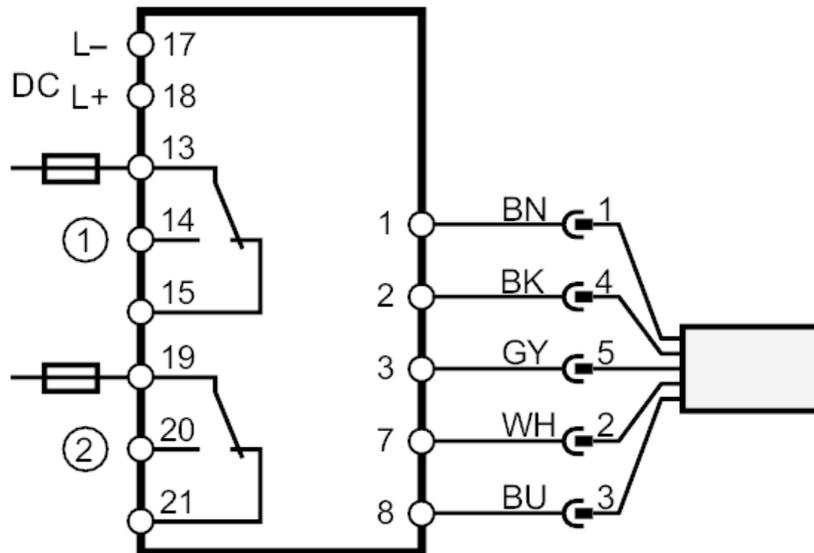
## Control monitor for flow sensors

VS2000/ 24VDC/EXI1G

### Electrical connection

terminals: 15 x ...2.5 mm<sup>2</sup>

### 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 intrinsic safety	[EEx ia] IIC	[EEx ia] IIB	[EEx ib] IIC	[EEx ib] IIB
Voltage [V]	15.8	15.8	15.8	15.8
Current [mA]	84	84	84	84
Power [mW]	680	680	680	680
External inductance [mH]	1	1	1	1
External capacitance [μF]	0.205	1.7	0.205	1.7