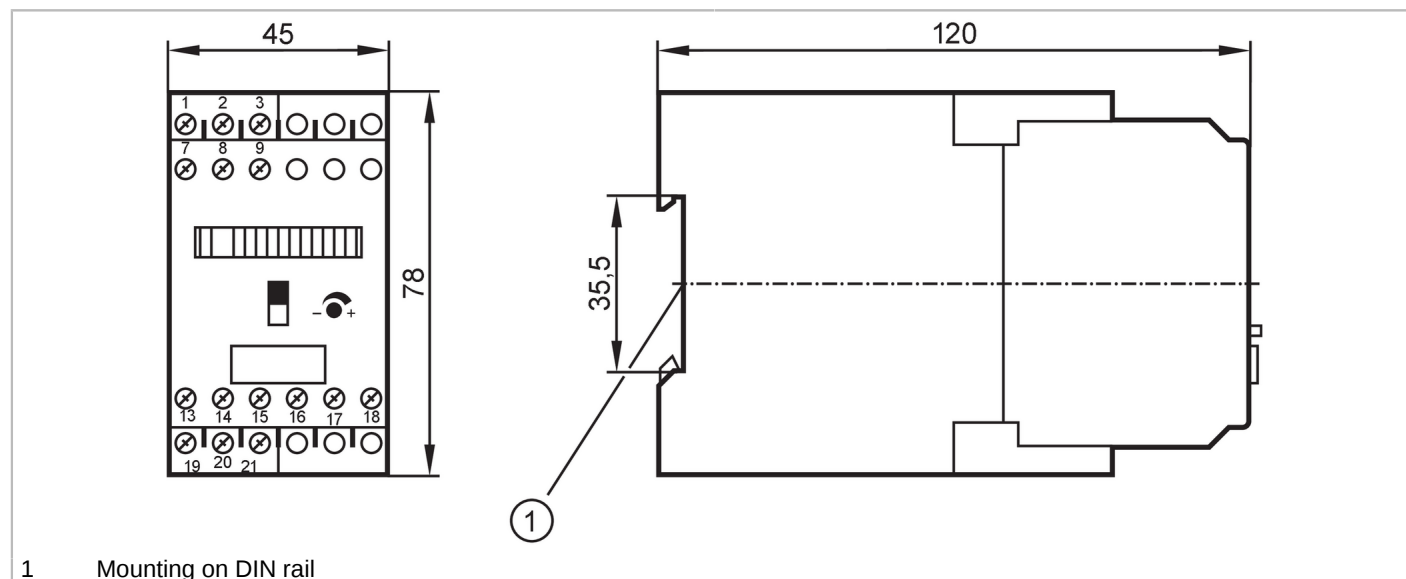


SR2301



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
Tests / approvals		
Approval	PTB 01 ATEX 2075; IECEx PTB 07.0004	

SR2301



Control monitor for flow sensors

VS2000/ 24VDC/EXI/1G

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.	



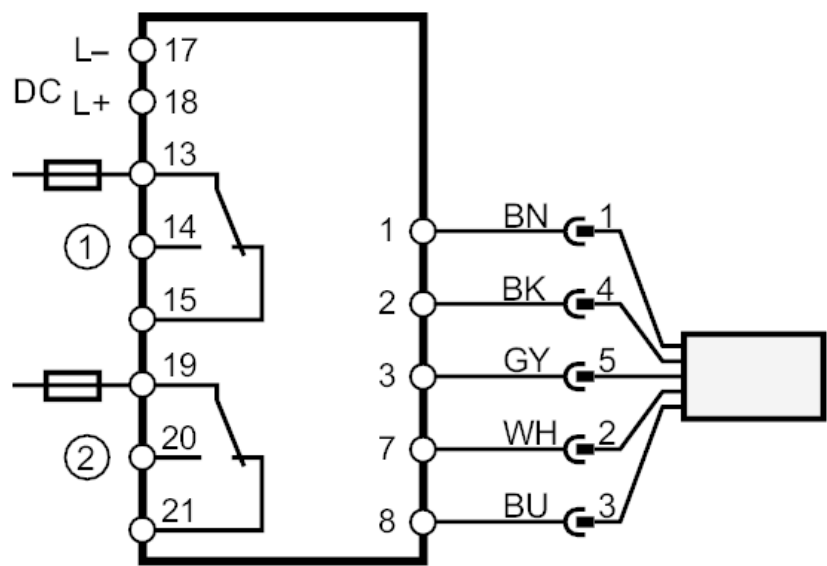
Control monitor for flow sensors

VS2000/ 24VDC/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]	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