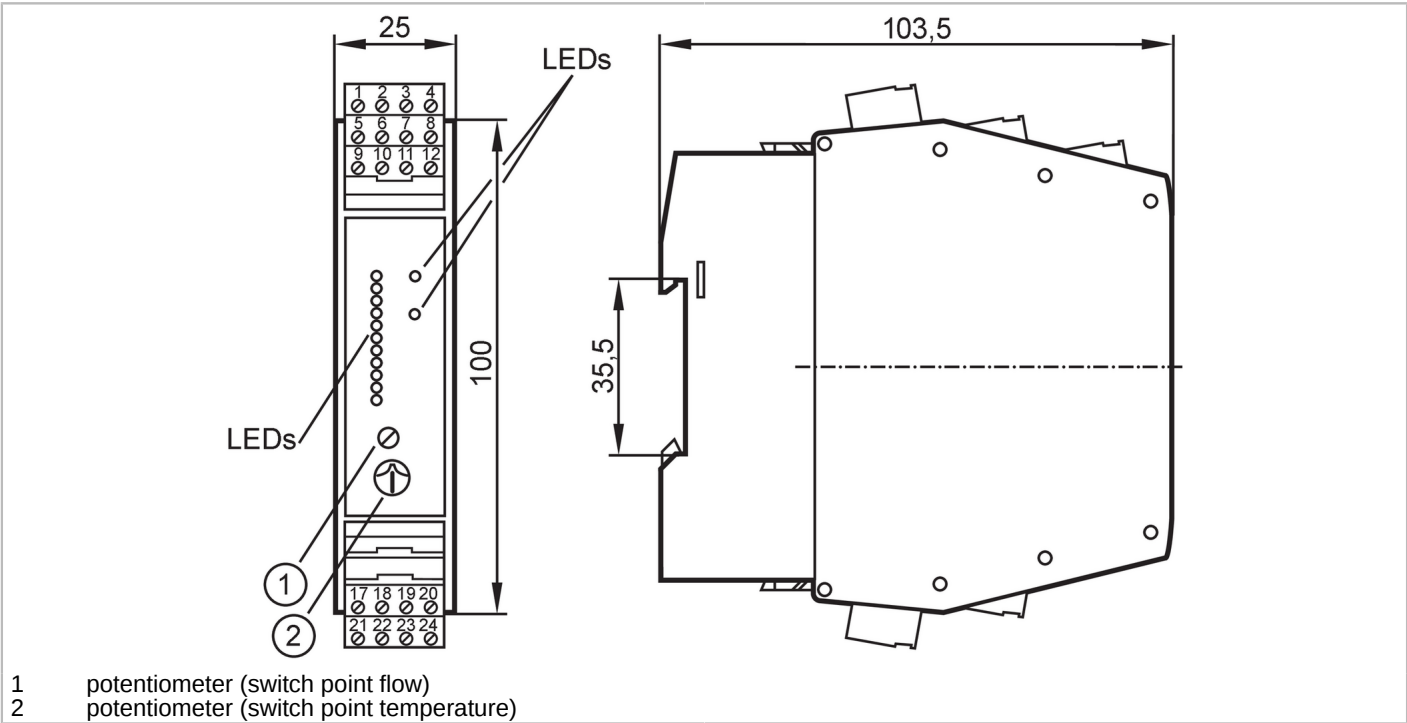


SR0150



Control monitor for flow sensors

VS3000/24VDC



Application

Application

Flow monitoring; Temperature monitoring; Wire monitoring

Electrical data

Operating voltage tolerance	[%]	-20...10
Operating voltage	[V]	24 DC
Current consumption	[mA]	90
Protection class		III
Reverse polarity protection		no
Power-on delay time	[s]	10...80; (adjustable (fixed-value resistors terminals 22-23))
Number of channels		1

Outputs

Performance in case of a fault	In case of undervoltage all relays are de-energised; the LED "LOW VOLTAGE/WIRE BREAK-RELAY" lights
Electrical design	relay
Contact rating	4 A (250 V AC / 30 V DC)
Switching function flow monitoring	relay energised when flow is present and during the power-on delay time
Switching function temperature monitoring	relay energised when temperature is exceeded
Switching function wire break monitoring	relay de-energised in case of wire break or short circuit
Short-circuit proof	no
Overload protection	no

Response times

Response time	[s]	< 3
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Control monitor for flow sensors

VS3000/24VDC

Software / programming		
Adjustment of the switch point	potentiometer	
Selection liquids / gases	wire bridge; on delivery: monitoring of liquids.; for monitoring of gases: link terminals 23 / 24.	
Switch point setting	potentiometer	
Temperature range [°C]	0...80	
Repeatability of the set switch point [K]	4	
Operating conditions		
Ambient temperature [°C]	-20...60	
Note on ambient temperature	in case of sufficient free space for convection cooling	
Protection	IP 20	
Tests / approvals		
MTTF [years]	263	
Mechanical data		
Weight [g]	237.5	
Housing	rectangular	
Type of mounting	mounting on DIN rail; (TH35 (EN 60715))	
Dimensions [mm]	100 x 25 x 103.5	
Materials	housing: PBT	
Displays / operating elements		
Display	function	11 x LED
	switching status	LED, red
	switching status	LED, red
Electrical connection		
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting	
Remarks		
Remarks	Recommendation Check the safe functioning of the unit after a short circuit.	
Pack quantity	1 pcs.	



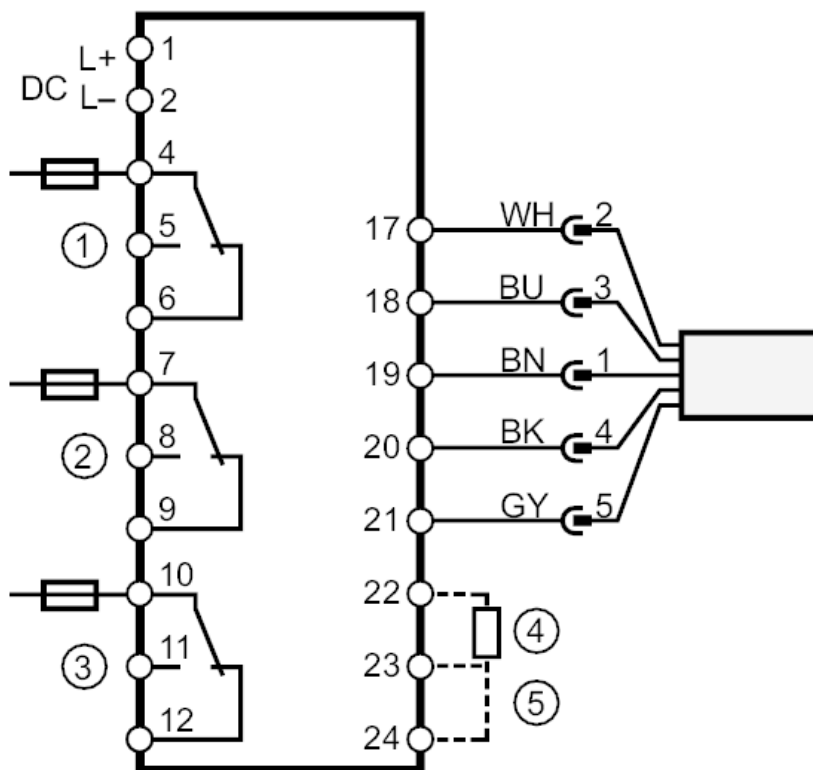
Control monitor for flow sensors

VS3000/24VDC

Electrical connection

COMBICON connector:

Connection



- 1 = Flow monitoring
 2 = Wire monitoring
 3 = Temperature monitoring
 4 = external resistor to set the power-on delay time
 5 = link to monitor gaseous media
 Note miniature fuse to IEC60127-2 sheet 1 ≤ 5 A fast acting
 Core colours :
 BN = brown
 BU = blue
 BK = black
 WH = white
 GY = grey