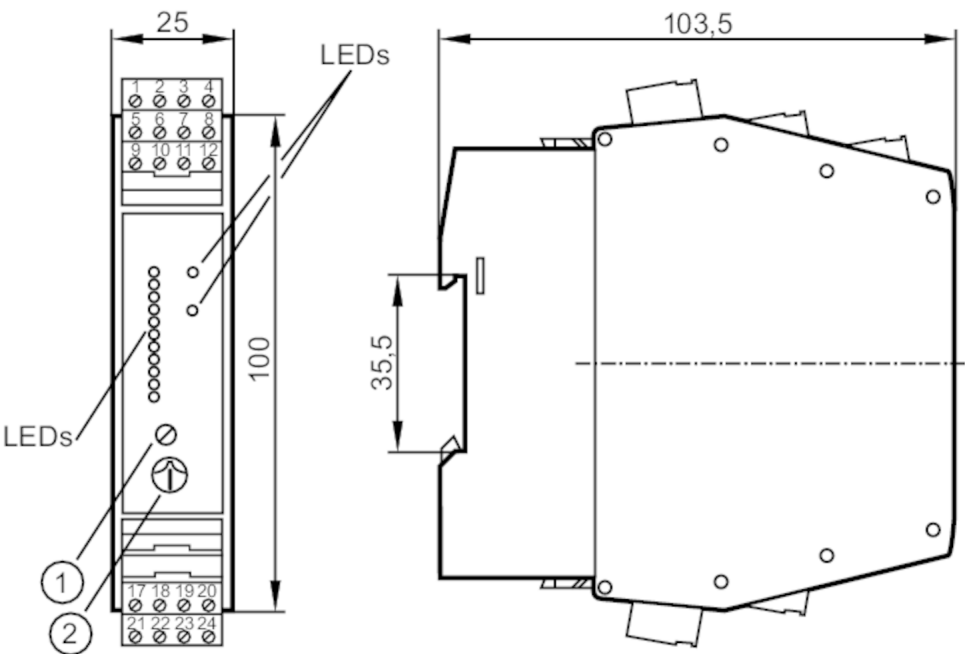




Control monitor for flow sensors

VS3000/24VDC



- 1 potentiometer (switch point flow)
- 2 potentiometer (switch point temperature)



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	



Control monitor for flow sensors

VS3000/24VDC

Response times		
Response time	[s]	< 3
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]	40...120
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]	234.8
Housing		housing for DIN rail mounting
Dimensions	[mm]	100 x 25 x 103.5
Materials		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.



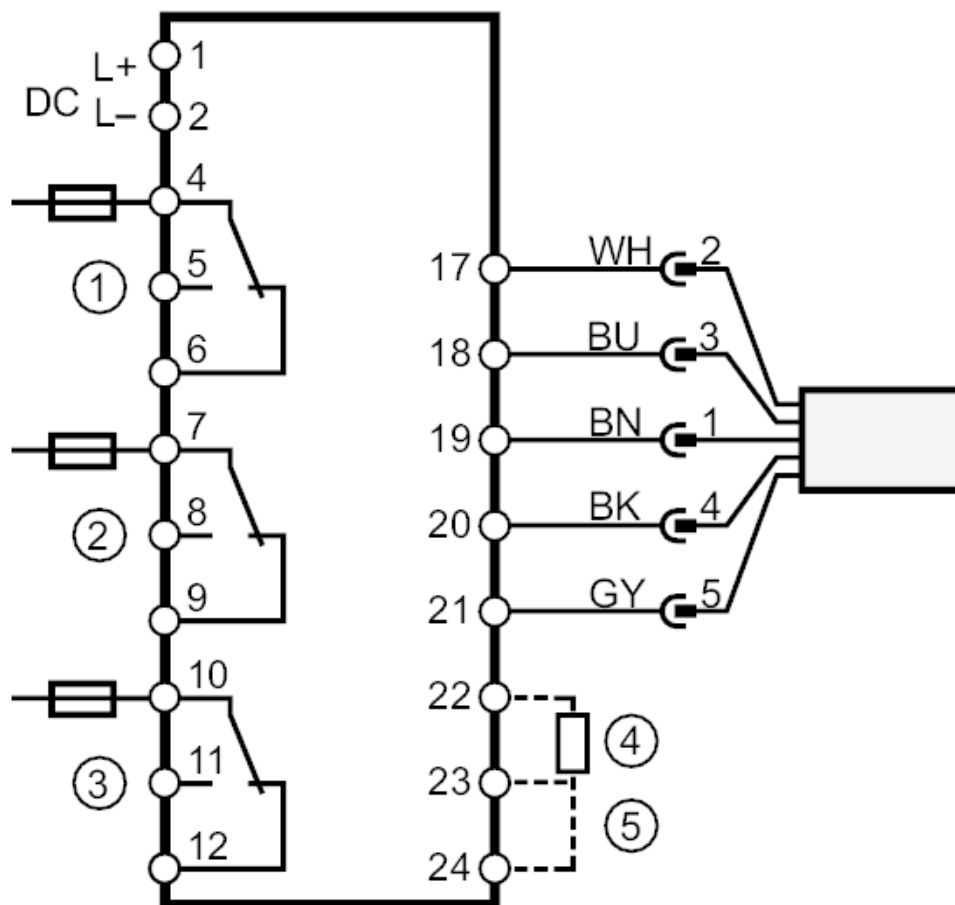
Control monitor for flow sensors

VS3000/24VDC

Electrical connection

COMBICON connector:

Connection



- 1 = Flow monitoring
- 2 = Wire monitoring
- 3 = Temperature monitoring
- 4 = Power-on delay time
- 5 = selection liquid/gas
- Note miniature fuse to IEC60127-2 sheet 1 ≤ 5 A fast acting

Core colours :

- BN = brown
- BU = blue
- BK = black
- WH = white
- GY = grey