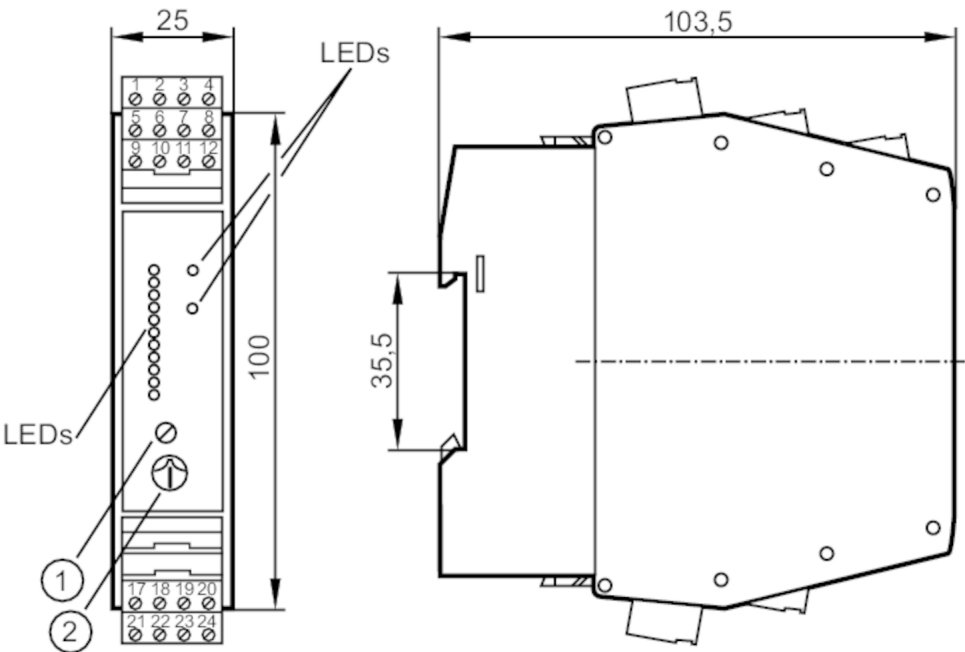




Control monitor for flow sensors

VS3000/24VDC



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



Application		
Application	Flow monitoring; Temperature monitoring; Wire break monitoring	
Electrical data		
Operating voltage tolerance	[%]	-10...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-energized, 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 energized when flow is present and during the power-on delay time	
Switching function temperature monitoring	relay de-energized when temperature is exceeded	
Switching function wire break monitoring	relay de-energized in case of wire-break or short circuit	
Short-circuit proof	no	
Overload protection	no	



Control monitor for flow sensors

VS3000/24VDC

Reaction 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]	0...80
Repeatability switch point / measured value	[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]	233
Housing		housing for DIN rail mounting
Dimensions	[mm]	100 x 25 x 103.5
Material		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.



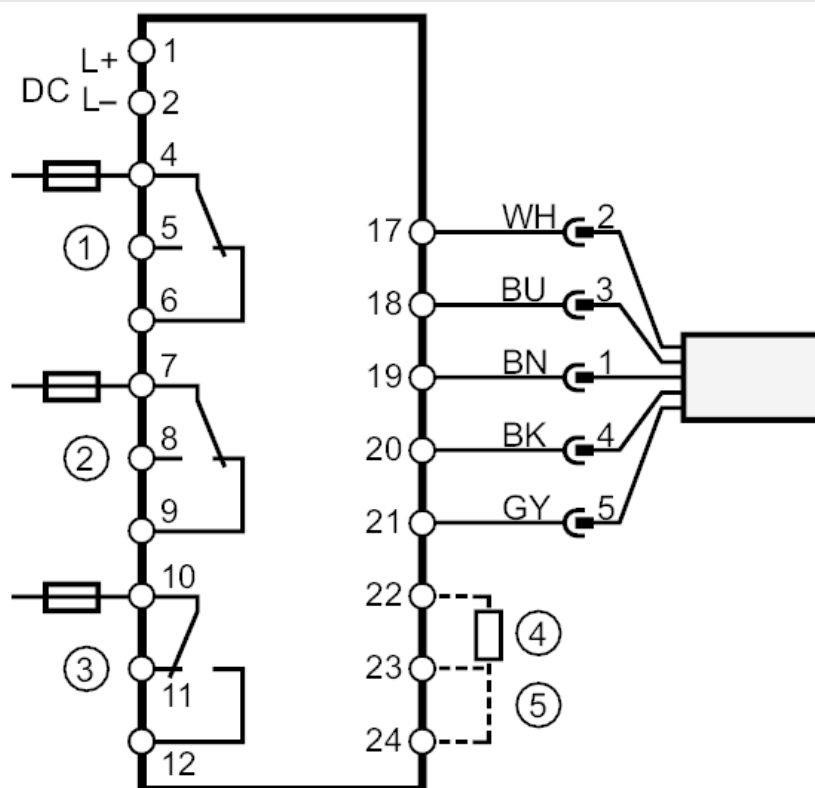
Control monitor for flow sensors

VS3000/24VDC

Electrical connection

Combicon connector:

Connection



- 1 = Flow monitoring
 2 = Wire break 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 colors :
 BN = brown
 BU = blue
 BK = black
 WH = white
 GY = grey