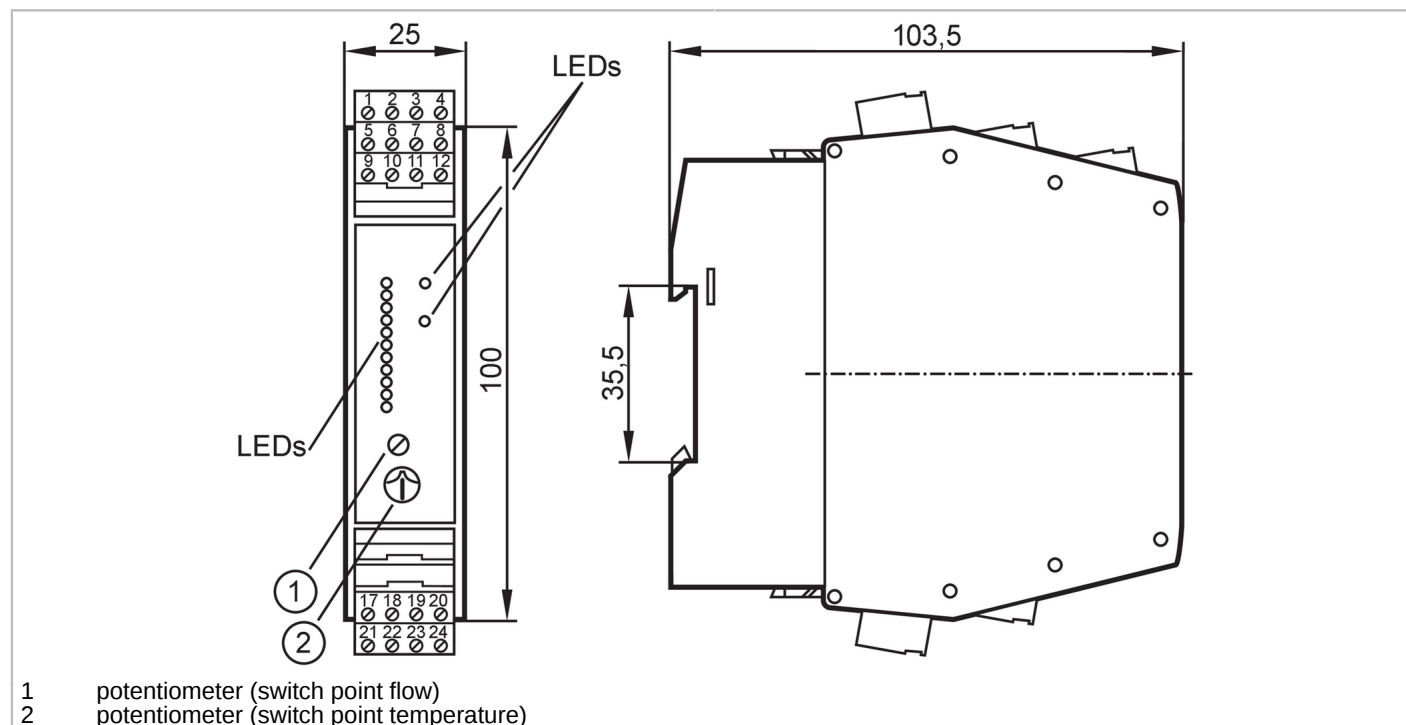




Control monitor for flow sensors

VS3000/85...265VAC



Application	
Application	Flow monitoring; Temperature monitoring; Wire monitoring
Electrical data	
Frequency AC	[Hz] 47...63
Operating voltage tolerance	[%] -5...10
Operating voltage	[V] 90...240 AC
Max. power consumption	[VA] 4
Protection class	II
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



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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]	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]	168
Mechanical data		
Weight	[g]	252.5
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.



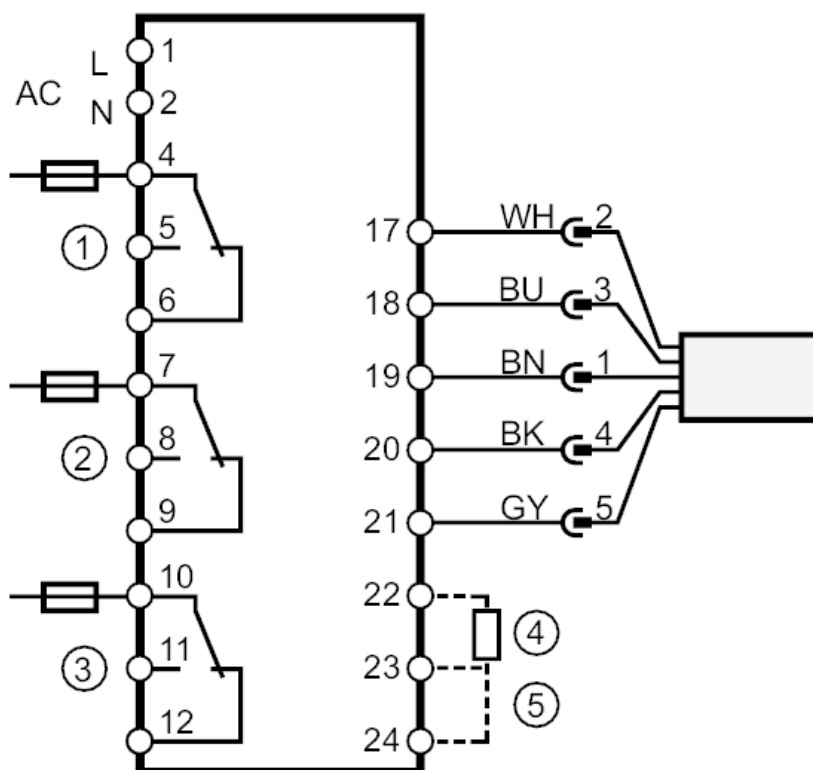
Control monitor for flow sensors

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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 $\leq$ 5 A fast acting
 Core colours :
 BN = brown
 BU = blue
 BK = black
 WH = white
 GY = grey