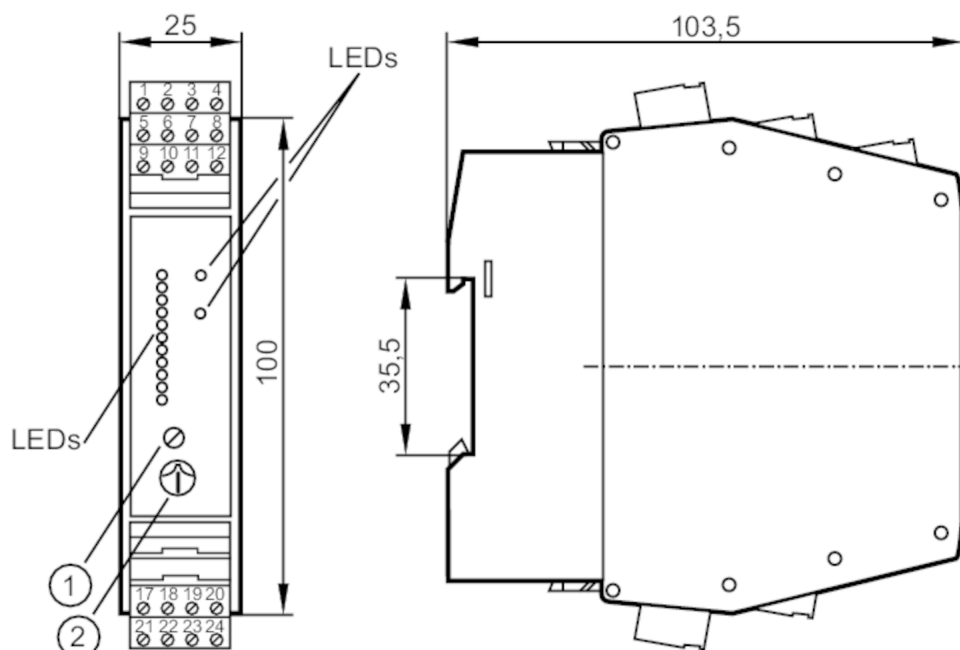




Control monitor for flow sensors

VS3000/85...265VAC



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



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



Control monitor for flow sensors

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Overload protection	no	
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	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.	



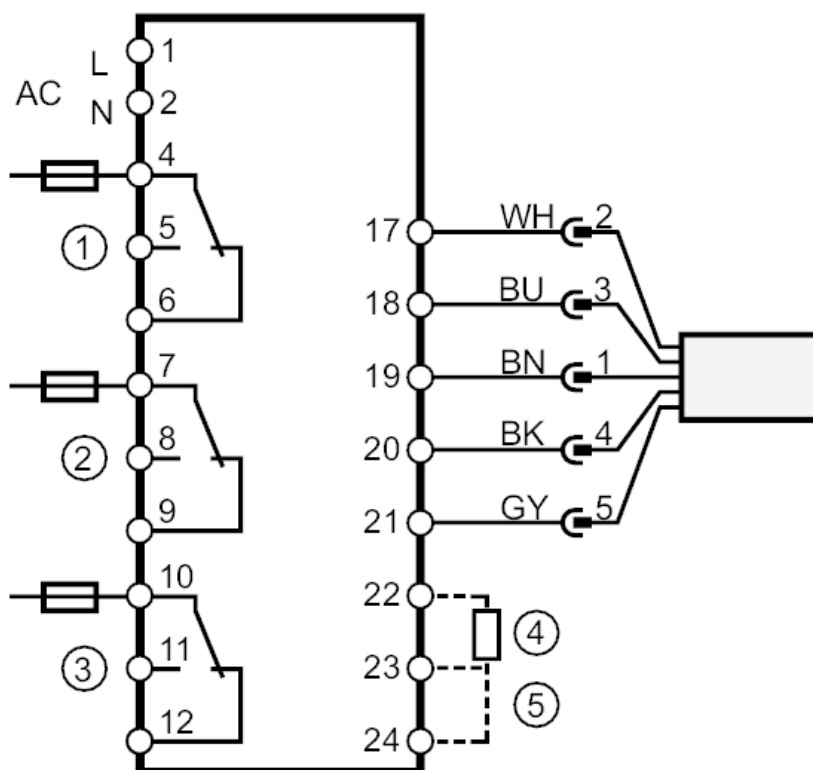
Control monitor for flow sensors

VS3000/85...265VAC

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