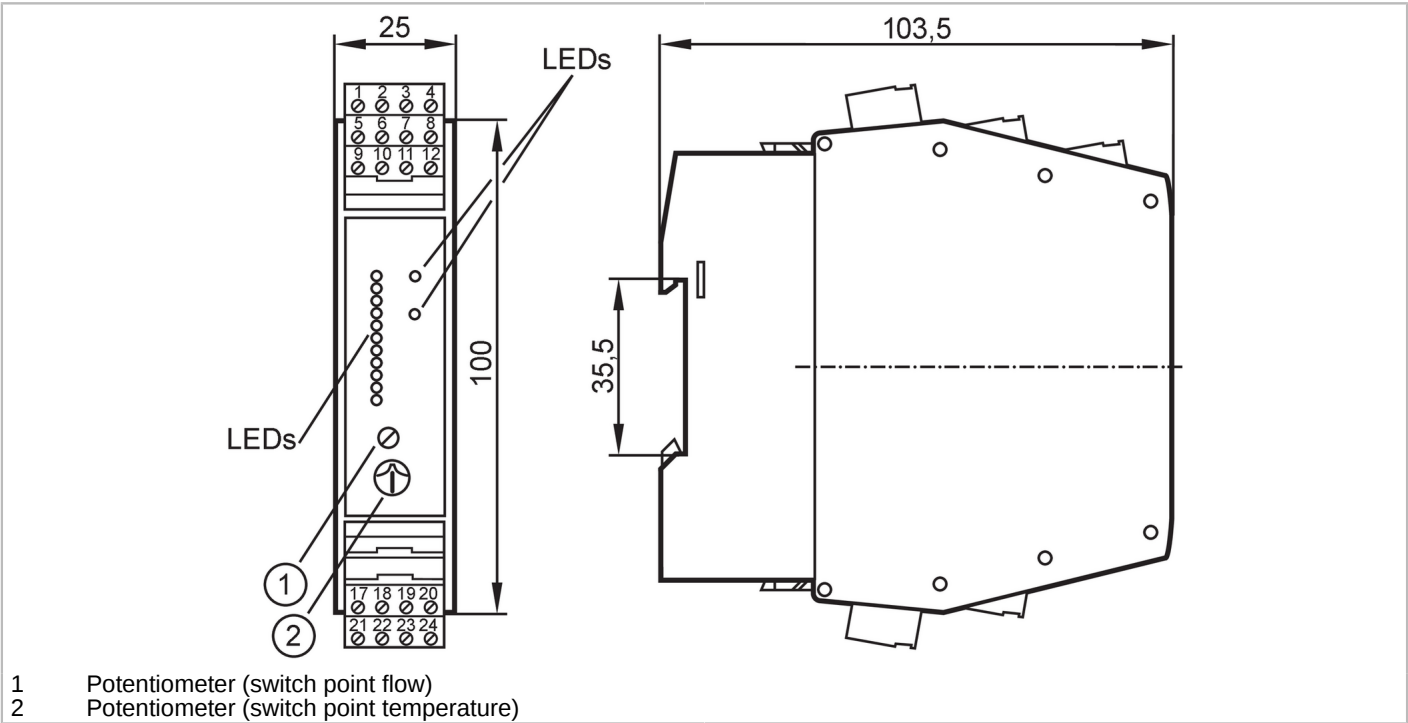




Control monitor for flow sensors

VS3000/24VDC



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	
Reaction times		
Response time	[s]	< 3



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 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	rectangular	
Type of mounting	Mounting on DIN rail; (TH35 (EN 60715))	
Dimensions [mm]	100 x 25 x 103.5	
Material	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.	



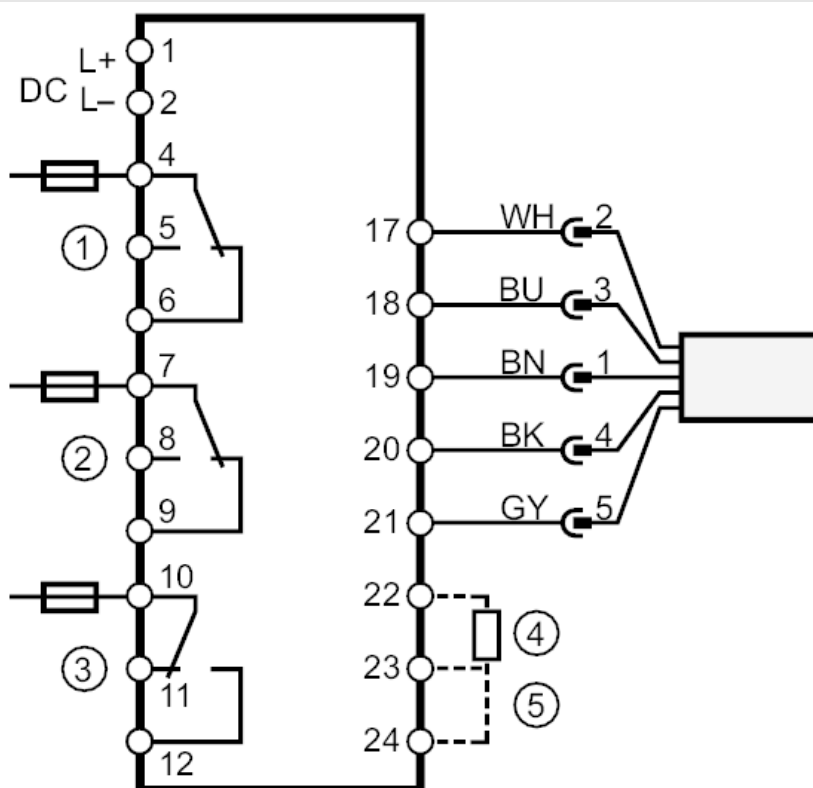
Control monitor for flow sensors

VS3000/24VDC

Electrical connection

Combicon connector:

Connection



- 1 = Flow monitoring
 2 = Wire 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