

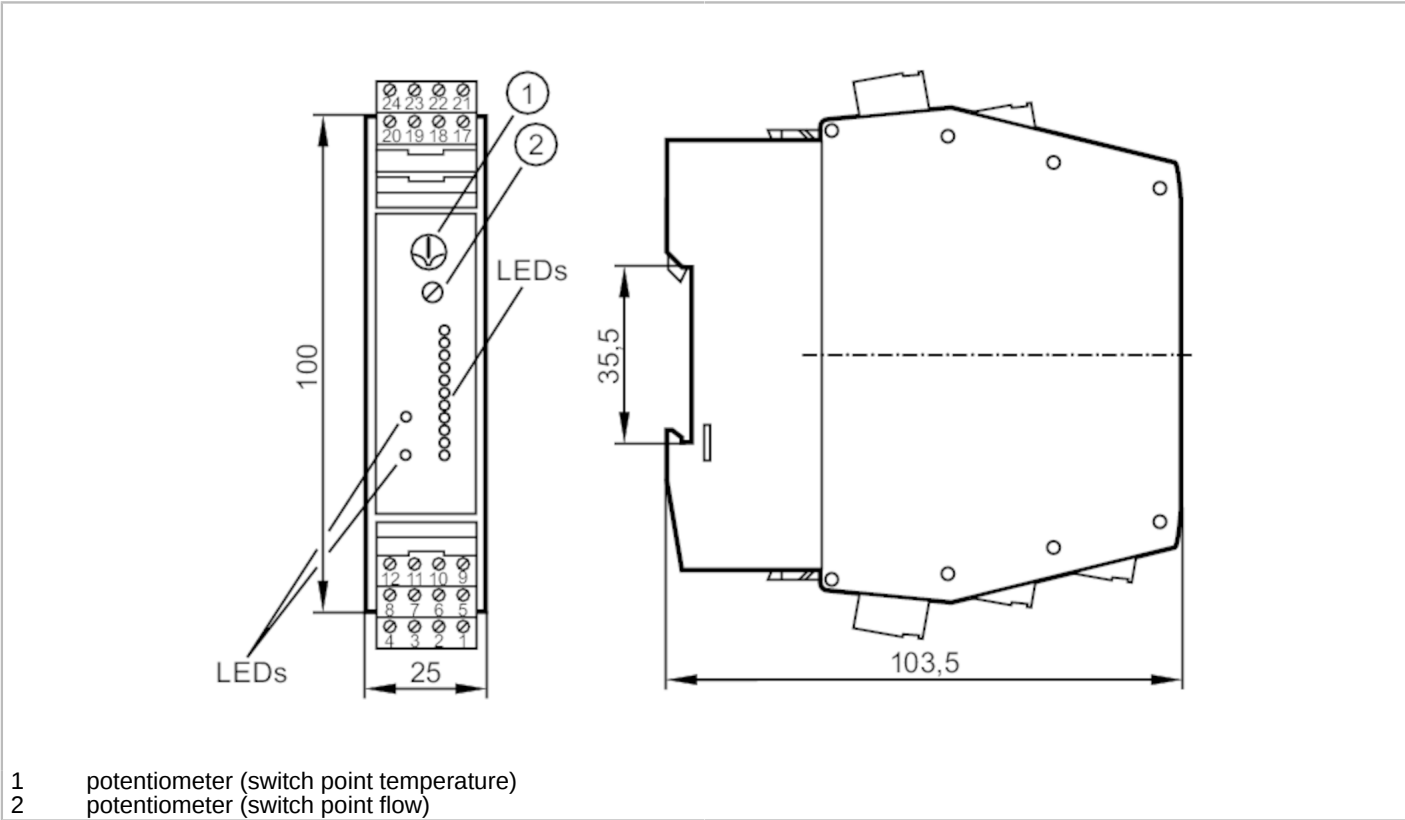


Control monitor for flow sensors

VS3000/24VDC 180°

phase-out article

Alternative articles: SR0150
When selecting an alternative article and accessories please note that technical data may differ!



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



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Switching function	relay energised when temperature is exceeded	
temperature monitoring		
Switching function wire break monitoring	relay de-energised in case of wire break or short circuit	
Short-circuit proof	no	
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]	263
Mechanical data		
Weight	[g]	215
Housing	housing for DIN rail mounting	
Dimensions	[mm]	100 x 25 x 103
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.	



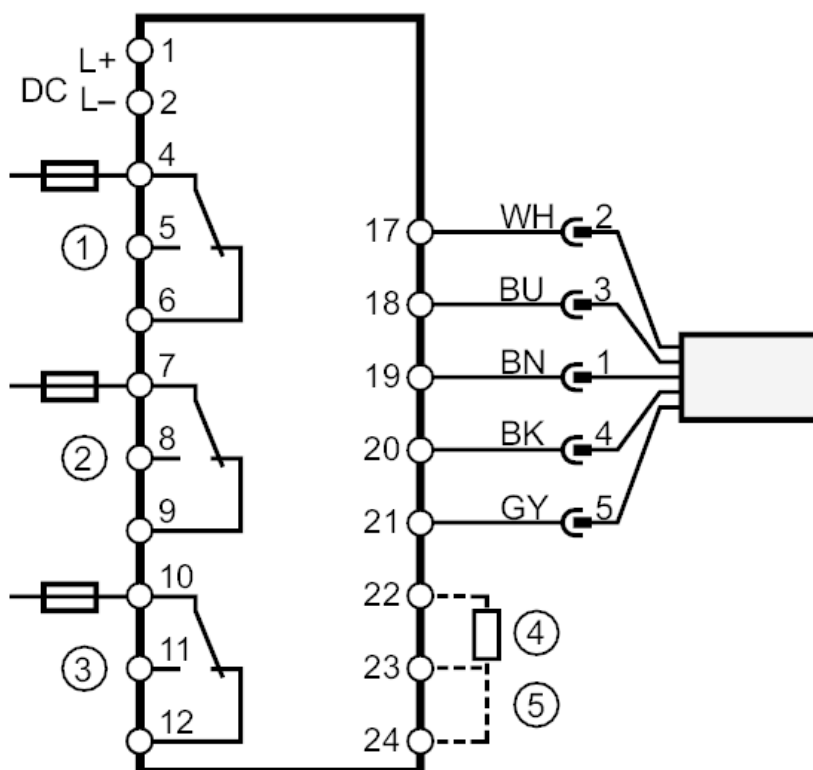
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Electrical connection

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