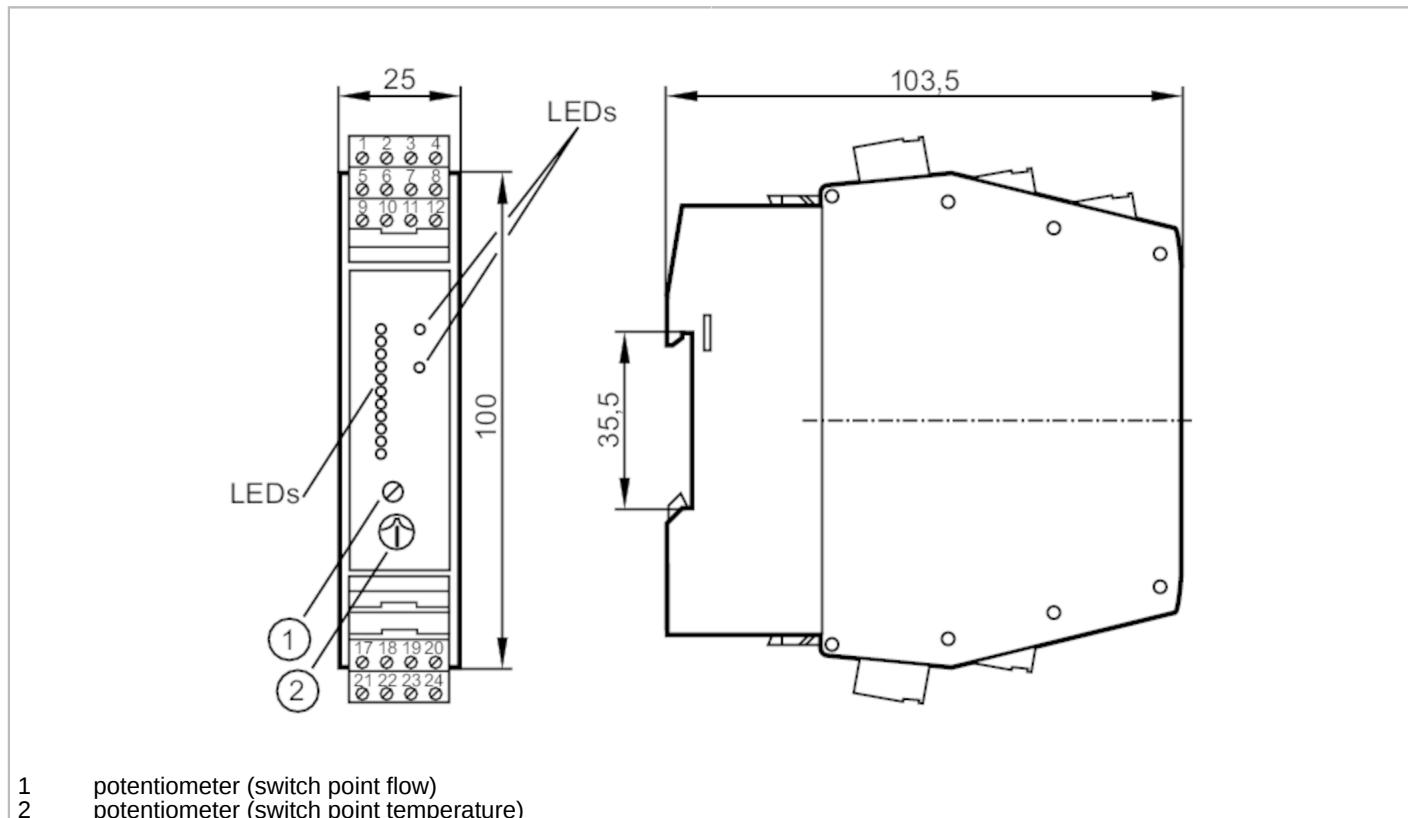


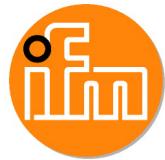
Control monitor for flow sensors

VS3000/24VDC




| Application | |
|---|--|
| Application | Flow monitoring; Temperature monitoring; Wire monitoring |
| Electrical data | |
| Operating voltage tolerance [%] | |
| 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 |
| 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 |

SR0151



Control monitor for flow sensors

VS3000/24VDC

| 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] | 40...120 |
| 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] | 234.5 |
| 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. | |

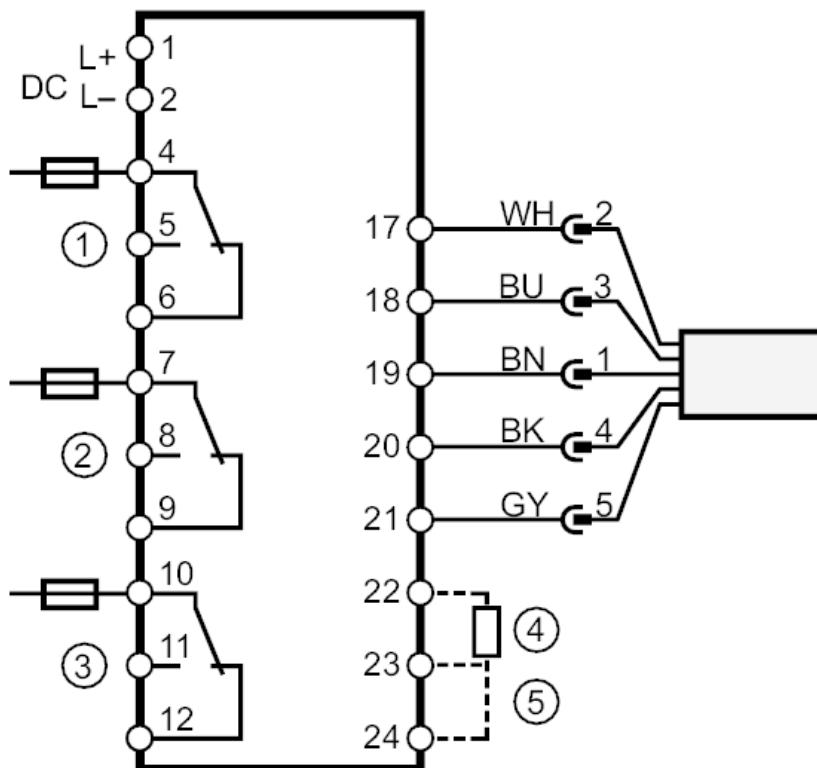
Control monitor for flow sensors

VS3000/24VDC

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