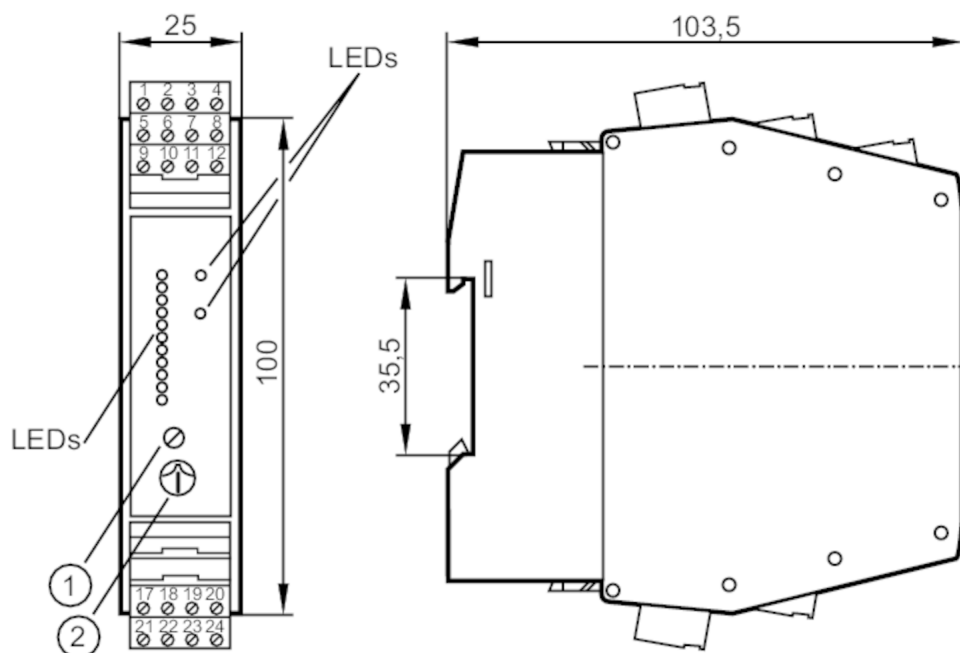


## Control monitor for flow sensors

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

VS3000/85...265VAC

|                                       |                                                                                                       |                  |
|---------------------------------------|-------------------------------------------------------------------------------------------------------|------------------|
| 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.;<br>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.                                                                                                |                  |



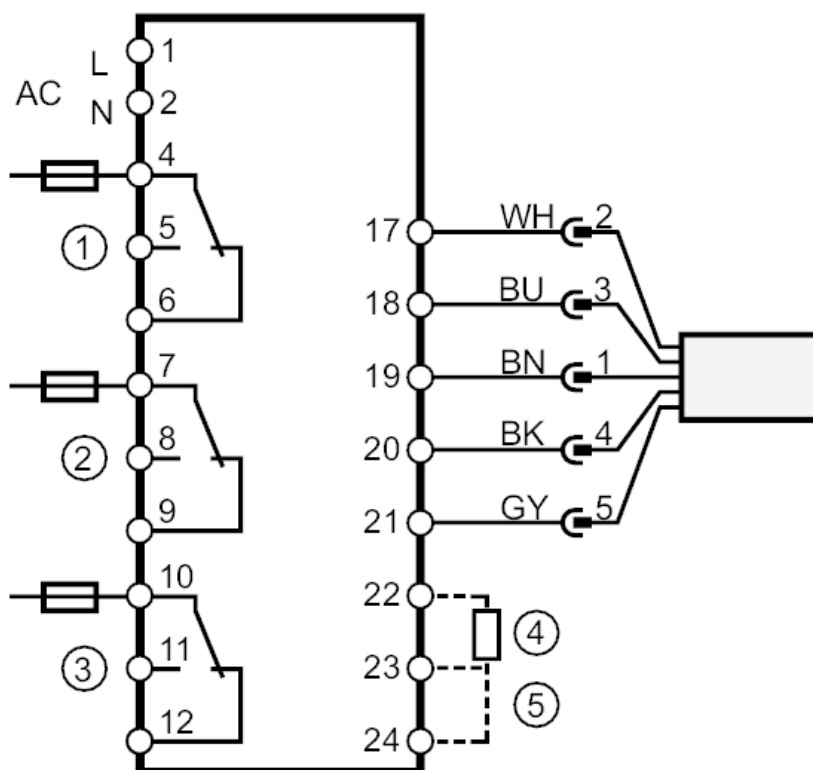
## Control monitor for flow sensors

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