# efector300

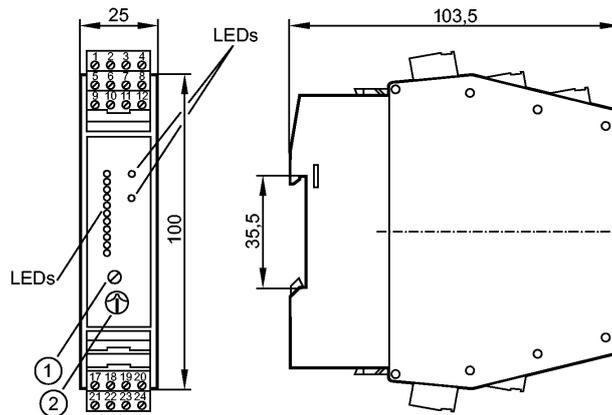## SR0150
VS3000/24VDC

1: Potentiometer (switch point flow)
2: Potentiometer (switch point temperature)

| Product characteristics | |
|---|---|
| Control monitor for flow sensors | |
| Mounting on DIN rail | |
| Electrical connection by means of Combicon connectors with screw terminals (fitted) | |
| Connection: 1 sensor | |

| Application | |
|---|---|
| Application | flow, temperature and wire break monitoring |

| Electrical data | | |
|---|---|---|
| Electrical design | | DC |
| Operating voltage | [V] | 24 DC |
| Voltage tolerance | [%] | +10 / -20 |
| Current consumption | [mA] | 90 |
| Protection class | | III |
| Reverse polarity protection | | no |

| Outputs | |
|---|---|
| Output function | Relay |
| **Switching function** | |
| - Flow monitoring | relay energised when flow is present and during the power-on delay time |
| - Temperature monitoring | relay energised when temperature is exceeded |
| - Wire break monitoring | relay de-energised in case of wire-break or short circuit |
| Contact rating | 4 A (250 V AC / 30 V DC) |
| Short-circuit proof | no |
| Overload protection | no |
| Undervoltage monitor | In case of undervoltage all relays are de-energised, the LED "LOW VOLTAGE/WIRE BREAK-RELAY" lights |

| Reaction times | | |
|---|---|---|
| Power-on delay time | [s] | 10...80 *) |
| Response time | [s] | max. 3 |

| Software / programming | |
|---|---|
| Adjustment of the switch point | potentiometer |
| Selection liquids / gases | link terminals 23-24 **) |

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## SR0150
VS3000/24VDC

| | | |
|---|---|---|
| Switch point setting | | potentiometer |
| Temperature range | [°C] | 0...80 |
| Repeatability switch point / measured value | [K] | ± 4 |

### Environment

| | | |
|---|---|---|
| Ambient temperature | [°C] | -20...60, in case of sufficient free space for convection cooling |
| Protection | | IP 20 |

### Tests / approvals

| | | |
|---|---|---|
| MTTF | [Years] | 263 |

### Mechanical data

| | | |
|---|---|---|
| Housing materials | | PBT |
| Weight | [kg] | 0.233 |

### Displays / operating elements

| | | |
|---|---|---|
| Function display | | 11 LED |
| Output status indication | LED | red |
| Output status indication | LED | red |

### Electrical connection

| | |
|---|---|
| Connection | Combicon connector |

**Wiring**
Core colors
BN    brown
BU    blue
BK    black
WH    white
GY    grey
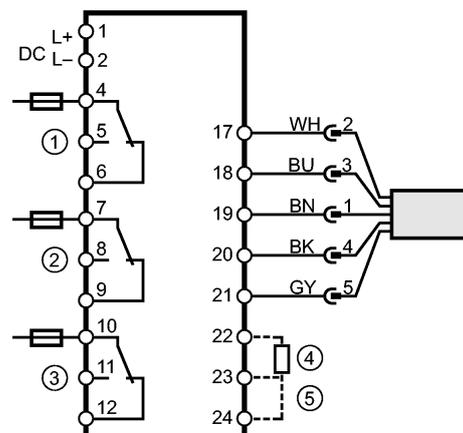


1 = Flow monitoring
2 = Wire break monitoring
3 = Temperature monitoring
4 = External resistor to set the power-on delay time
5 = Link to monitor gaseous media
Note: miniature fuse to IEC60127-2 sheet 1,
≤ 5 A (fast acting)

### Remarks

| | |
|---|---|
| Remarks | *) adjustable (fixed-value resistors terminals 22-23)<br>**) Factory setting: Monitoring of liquids. For monitoring of gases: Link terminals 23 / 24.<br>Recommendation: check the unit for reliable function after a short circuit. |
| Pack quantity    [piece] | 1 |