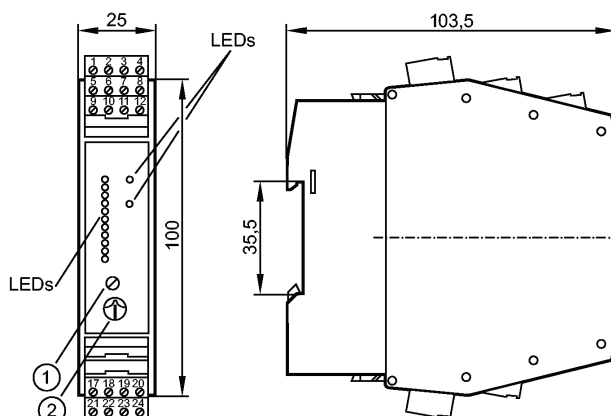


SN0150

VS3000/85...265VAC

Evaluation systems



- 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	AC
Nominal voltage [V]	90...240 AC (47...63 Hz)
Voltage tolerance [%]	-5 / +10
Power consumption [VA]	4
Protection class	II
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 monitoring	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 **)

SN0150

VS3000/85...265VAC

Evaluation systems

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]	168

Mechanical data	
Housing materials	PBT
Weight [kg]	0.251

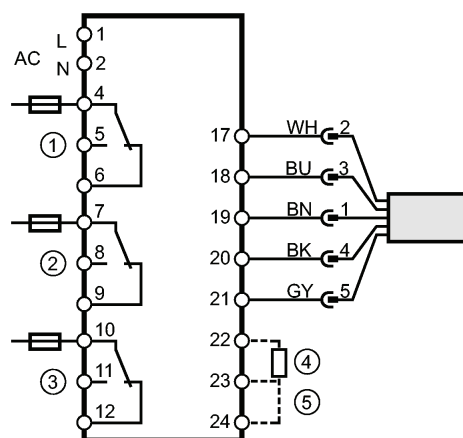
Displays / operating elements	
Function display	11 LED
Output status indication LED	Red
Output status indication LED	Red

Electrical connection	
Connection	Combicon connector

Wiring

Core colours

BN	brown
BU	blue
BK	black
WH	white
GY	grey



- 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)

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