efector300

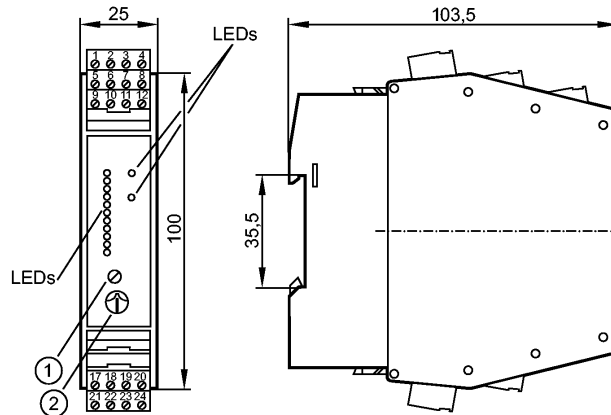## SR0150
VS3000/24VDC

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

Made in Germany

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 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 **)

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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 colours
BN   brown
BU   blue
BK   black
WH   white
GY   grey
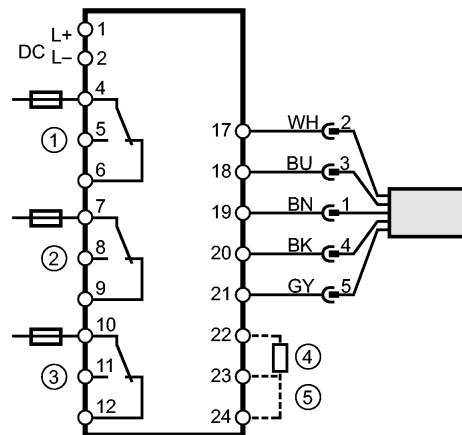
1 = Flow monitoring
2 = Wire break monitoring
3 = Temperature monitoring
4 = External resistor to set the power-on delay time
5 = Link to monitor gaseous media
Note: miniature fuse to IEC60127-2 sheet 1,
≤ 5 A (fast acting)

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