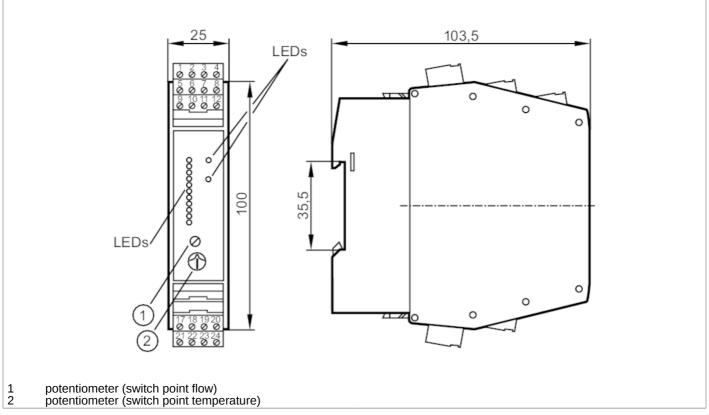
SN0500

Control monitor for flow sensors

VS3000/85...265VAC





C€ RK

Application			
Application		Flow monitoring; Temperature monitoring; Wire monitoring	
Electrical data			
Frequency AC	[Hz]	4763	
Operating voltage tolerance	[%]	-510	
Operating voltage	[V]	90240 AC	
Max. power consumption	[VA]	4	
Protection class		II	
Reverse polarity protection		no	
Power-on delay time	[s]	1080; (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	

SN0500

Control monitor for flow sensors





Response time S Response time S Software / programming Adjustment of the switch point potentiometer point 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 Repeatability of the set switch point (K) poin	Overload protection		no		
Adjustment of the switch point Selection liquids / gases Switch point setting Femarks Adjustment of the switch point Potentiometer potentioneter potentiometer pot	Response times				
Adjustment of the switch point Selection liquids / gases Switch point setting Fremerature range Selection liquids / gases Switch point setting Fremerature range Selection liquids / gases Switch point setting Fremerature range Selection liquids / gases Switch point setting Fremerature range Selection liquids / gases link terminals 23 / 24. Switch point setting Fremerature range Selection liquids / gases link terminals 23 / 24. Switch point setting Fremerature range Selection liquids / gases link terminals 23 / 24. Switch point setting Fremerature range Selection liquids / gases Interminals 23 / 24. Switching states selection liquids removing on selection liquids: Selection liquids / gases link terminals 23 / 24. Switching states selection liquids removing of the unit after a short circuit.	Response time	[s]		< 3	
point Selection liquids / gases wire bridge; on delivery: monitoring of liquids.; for monitoring of gases: link terminals 23 / 24. Switch point setting Temperature range [°C] Repeatability of the set switch point Repeatability of the set switch point Repeatability of the set switch point Repeatability of the set switch point Repeatability of the set switch point Repeatability of the set switch point Repeatability of the set switch point Repeatability of the set switch point Repeatability of the set switch point Required protection [°C]	Software / programming				
for monitoring of gases: link terminals 23 / 24. Switch point setting potentiometer Temperature range [°C] 080 Repeatability of the set switch point [K] 4 Operating conditions Ambient temperature [°C] -2060 Note on ambient temperature in case of sufficient free space for convection cooling Protection IP 20 Mechanical data Weight [g] 252.5 Housing housing for DIN rall mounting Dimensions [mm] 100 × 25 × 103.5 Materials PBT Displays / operating elements Displays / operating elements Display status LED, red Switching status LED, red switching status LED, red Electrical connection miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting Remarks Recommendation Check the safe functioning of the unit after a short circuit.	<u> </u>			potentiometer	
Temperature range [°C] 080 Repeatability of the set switch point 4 Coperating conditions Ambient temperature [°C] -2060 Note on ambient temperature in case of sufficient free space for convection cooling Protection IP 20 Mechanical data Weight [g] 252.5 Housing housing for DIN rail mounting 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 switching status LED, red switching status temperature in a short circuit.	Selection liquids / gases				
Repeatability of the set switch point [K] Operating conditions Ambient temperature [°C] -2060 Note on ambient temperature in case of sufficient free space for convection cooling Protection IP 20 Mechanical data Weight [g] 252.5 Housing housing for DIN rail mounting Dimensions [mm] 100 x 25 x 103.5 Materials PBT Displays / operating elements Displays / operating elements Display sixthing status 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.	Switch point setting		potentiometer		
Operating conditions Ambient temperature [°C] -2060 Note on ambient temperature in case of sufficient free space for convection cooling Protection IP 20 Mechanical data Weight [g] 252.5 Housing housing for DIN rail mounting Dimensions [mm] 100 x 25 x 103.5 Materials PBT Displays / operating elements Display function switching status LED, red switching status 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.	Temperature range	[°C]		080	
Ambient temperature [°C] -2060 Note on ambient temperature Protection IP 20 Mechanical data Weight [g] 252.5 Housing housing for DIN rail mounting Dimensions [mm] 100 x 25 x 103.5 Materials PBT Displays / operating elements Display function 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.		[K]	4		
Note on ambient temperature Protection P 20	Operating conditions				
Protection IP 20 Mechanical data Weight [g] 252.5 Housing housing for DIN rail mounting Dimensions [mm] 100 x 25 x 103.5 Materials PBT Displays / operating elements Display / operating elements In 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 Recommendation Check the safe functioning of the unit after a short circuit.	Ambient temperature	[°C]	-2060		
Mechanical data Weight [g] 252.5 Housing housing for DIN rail mounting Dimensions [mm] 100 x 25 x 103.5 Materials PBT Displays / operating elements Display function 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.	Note on ambient temperature		in case of sufficient free space for convection cooling		
Weight [g] 252.5 Housing housing for DIN rail mounting 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.	Protection		IP 20		
Housing housing for DIN rail mounting Dimensions [mm] Materials PBT Displays / operating elements Display function 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.	Mechanical data				
Dimensions [mm]	Weight	[g]		252.5	
Materials Displays / operating elements Display function 11 x LED switching status LED, red switching status LED, red Electrical connection miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting Remarks Recommendation Check the safe functioning of the unit after a short circuit.	Housing		housing for DIN rail mounting		
Displays / operating elements Display function switching status 11 x LED LED, red switching status LED, red Electrical connection LED, red Required protection miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting Remarks Recommendation Check the safe functioning of the unit after a short circuit.	Dimensions	[mm]	100 x 25 x 103.5		
Display	Materials		PBT		
switching status switching status LED, red 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.	Displays / operating element	ts			
switching status LED, red Electrical connection Required protection miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting Remarks Recommendation Check the safe functioning of the unit after a short circuit.	Display		function	11 x LED	
Electrical connection Required protection miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting Remarks Recommendation Check the safe functioning of the unit after a short circuit.			switching status		
Required protectionminiature fuse to IEC60127-2 sheet 1; \leq 5 A; fast actingRemarksRecommendation Check the safe functioning of the unit after a short circuit.			switching status	LED, red	
Remarks Remarks Recommendation Check the safe functioning of the unit after a short circuit.	Electrical connection				
Remarks Recommendation Check the safe functioning of the unit after a short circuit.	Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting		
	Remarks				
Pack quantity 1 pcs.	Remarks		Recommendation Check the safe functioning of the unit after a short circuit.		
	Pack quantity		1 pcs.		

SN0500

Control monitor for flow sensors

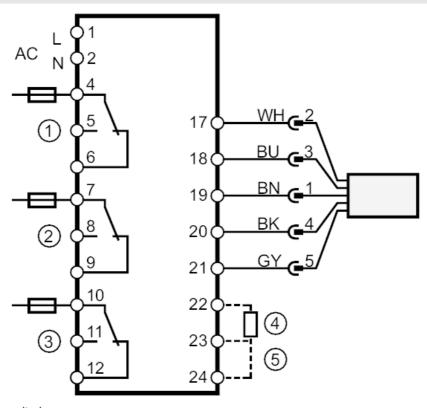
VS3000/85...265VAC



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 $1 \le 5$ A fast acting

Core colours :

BN = brown
BU = blue
BK = black
WH = white
GY = grey