

Control monitor for flow sensors

VS0100 Typ VN31 Ex

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1 mounting on DIN rail

Application

Application	Flow monitoring
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Electrical data

Operating voltage tolerance	[%]	-10...10
Operating voltage	[V]	< 230 AC
Max. power consumption	[VA]	2
Power-on delay time	[s]	< 30

Outputs

Switching function flow monitoring	relay energised when flow is present
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Software / programming

Adjustment of the switch point	potentiometer
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Operating conditions

Ambient temperature	[°C]	0...60
Protection		IP 40
Protection rating terminals		IP 20

Tests / approvals

Approval	PTB Ex-86/2141
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Safety classification

Designation	in protection rating intrinsic safety	
Voltage	[V]	12,6
Current	[mA]	194
Power	[mW]	612
[Ex ia] IIC designation	[EEx] ib IIC	
[Ex ia] IIC inductance	0.5 mH	



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[Ex ia] IIC capacitance	800 nF
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Mechanical data

Housing	housing for DIN rail mounting
Dimensions [mm]	75 x 55 x 110
Materials	plastics

Displays / operating elements

Display	function	LED, red
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Electrical connection

Relay circuit AC	... 250 AV,...6 A cos j > 0,7
Relay circuit DC	...60 DC,...0,6 A, L/R < 200 ms /...24 DC, ...4 A, L/R < 200 ms

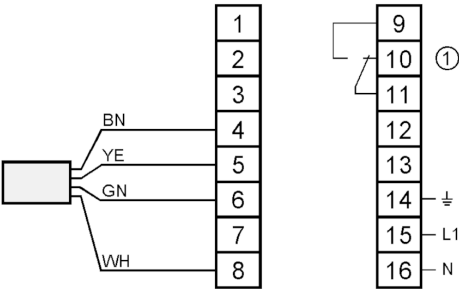
Remarks

Pack quantity	1 pcs.
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Electrical connection

terminals: 16 x ...2.5 mm²

Connection



- 1:
- Relais Flow monitoring
- Core colours :
- BN = brown
- WH = white
- YE = yellow
- GN = green