SR0106

Control monitor for flow sensors

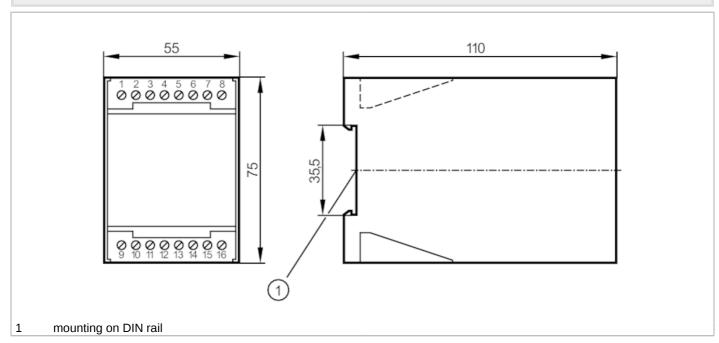




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Alternative articles: SR2301

When selecting an alternative article and accessories please note that technical data may differ!



Application		
Application		Flow monitoring; Wire monitoring
Electrical data		
Operating voltage tolerance	[%]	-1010
Operating voltage	[V]	24 DC
Current consumption	[mA]	200
Power-on delay time	[s]	30
Number of channels		1
Outputs		
Electrical design		relay
Contact rating		4 A, 250 V AC / cos phi > 07
Switching function flow monitoring		relay energised when flow is present
Switching function wire break monitoring		relay de-energised in case of wire break
Software / programming		
Adjustment of the switch point		potentiometer
Selection liquids / gases		slide switch
Operating conditions		
Ambient temperature	[°C]	-2060
Protection		IP 40
Protection rating terminals		IP 20

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Approval PTB Ex-94.C.2030X Safety classification Designation in protection rating intrinsic safety Voltage [V] 15,8 Current [mA] 208 Power [mW] 1180 [Ex ia] IIC designation [EEx ia] IIC [Ex ia] IIB designation [EEx ia] IIB [Ex ib] IIC designation [EEx ib] IIC [Ex ib] IIB designation [EEx ib] IIB [Ex ia] IIC inductance 460µH [Ex ia] IIB inductance 460µH [Ex ib] IIC inductance 53nF [Ex ia] IIC capacitance 540nF / 360nF [Ex ib] IIB capacitance 540nF / 360nF [Ex ib] IIB capacitance 1.9µF Mechanical data Housing housing for DIN rail mounting Dimensions [mm] 75 x 55 x 110 Materials plastics Display function 11 x LED switching status LED, red Remarks Remarks Caution The control monitor must be mounted outside the hazardous area.	Tests / approvals					
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Mechanical data Housing housing for DIN rail mounting Dimensions [mm] Materials plastics Displays / operating elements Display Display function switching status 11 x LED LED, red Remarks	[Ex ib] IIC capacitance		470nF			
Housing housing for DIN rail mounting Dimensions [mm] 75 x 55 x 110 Materials plastics Displays / operating elements Display function 11 x LED switching status LED, red	[Ex ib] IIB capacitance		1.9µF			
Dimensions [mm] 75 x 55 x 110 Materials plastics Displays / operating elements Display function 11 x LED switching status LED, red Remarks	Mechanical data					
Materials plastics Displays / operating elements Display function 11 x LED switching status LED, red Remarks	Housing		housing for DIN rail mounting			
Displays / operating elements Display function switching status 11 x LED LED, red Remarks	Dimensions	[mm]	75 x 55 x 110			
Display function 11 x LED switching status LED, red Remarks	Materials		plastics			
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Remarks	Display		function	11 x LED		
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Remarks Caution The control monitor must be mounted outside the hazardous area.	Remarks					
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Pack quantity 1 pcs.	Pack quantity		1 pcs.			

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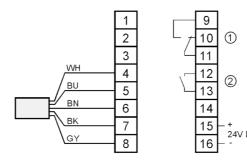




Electrical connection

terminals: 16 x ...2.5 mm²

Connection



Relais Flow monitoring
 Relais Wire monitoring

Core colours :

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