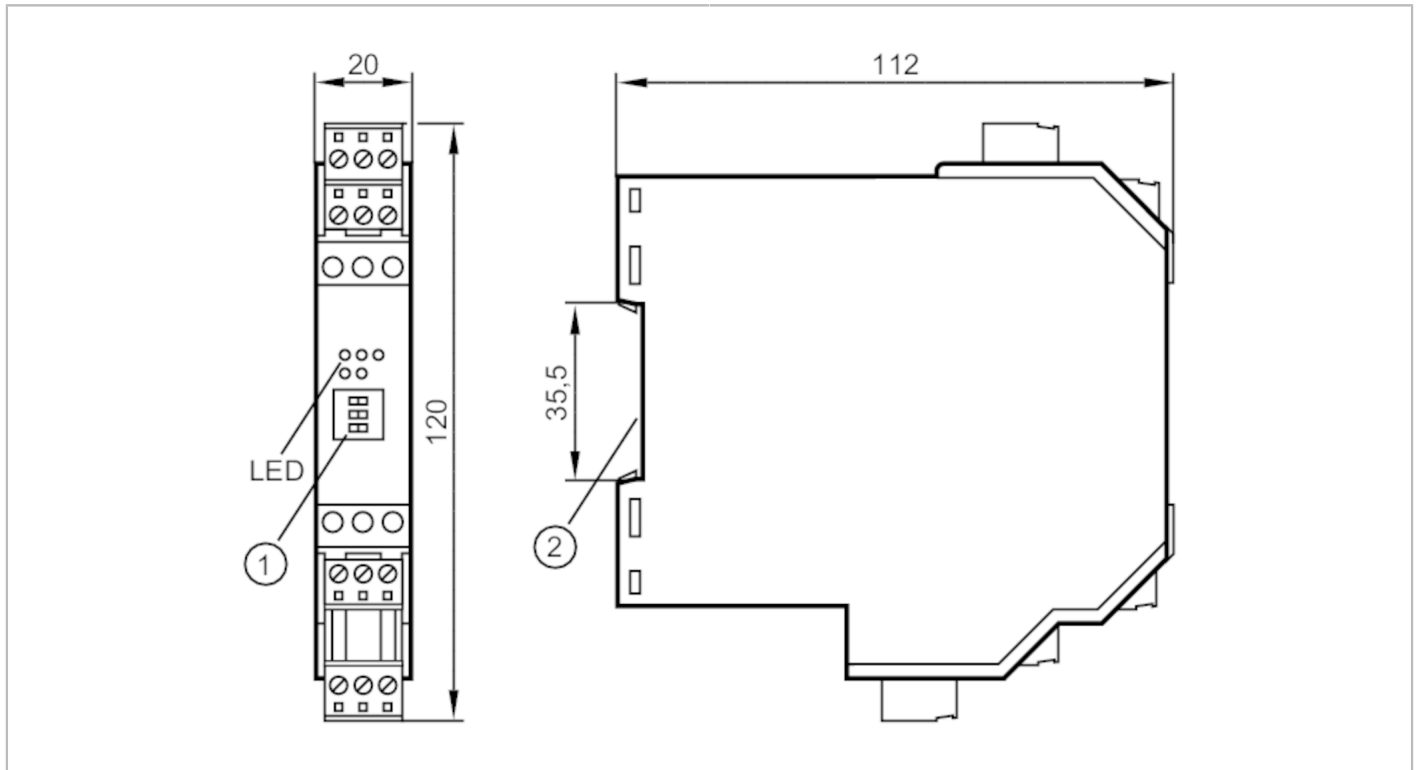


N0532A



Switching amplifiers for Namur sensors

NV1223/24VDC/OK/1D/1G





Application	
Application	short-circuit monitoring; Wire monitoring
Electrical data	
Operating voltage tolerance [%]	-15...25
Operating voltage [V]	24 DC
Current consumption [mA]	< 50
Number of channels	2
Outputs	
Electrical design	opto coupler; (bipolar; Voltage: max. 40 V DC)
Max. voltage drop switching output DC [V]	3
Max. current load per output [mA]	100
Switching frequency DC [Hz]	5000
Short-circuit proof	yes
Operating conditions	
Ambient temperature [°C]	-20...60
Protection	IP 20

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Tests / approvals	
Approval	PTB 02 ATEX 2037; TIIS TC16049; IECEx PTB 06.0038
ATEX marking	 II (1) G [Ex ia] IIC
	 II (1) D [Ex ia] IIIC
EMC	EN 50081-2 (1993)
	EN 61326-1 (2006)
MTTF [years]	426
Mechanical data	
Weight [g]	170
Displays / operating elements	
Display	switching status 2 x LED, yellow
	operation LED, green
	function 2 x LED, red
Remarks	
Remarks	Caution The control monitor must be mounted outside the hazardous area. Free terminals must not be used.
Pack quantity	1 pcs.

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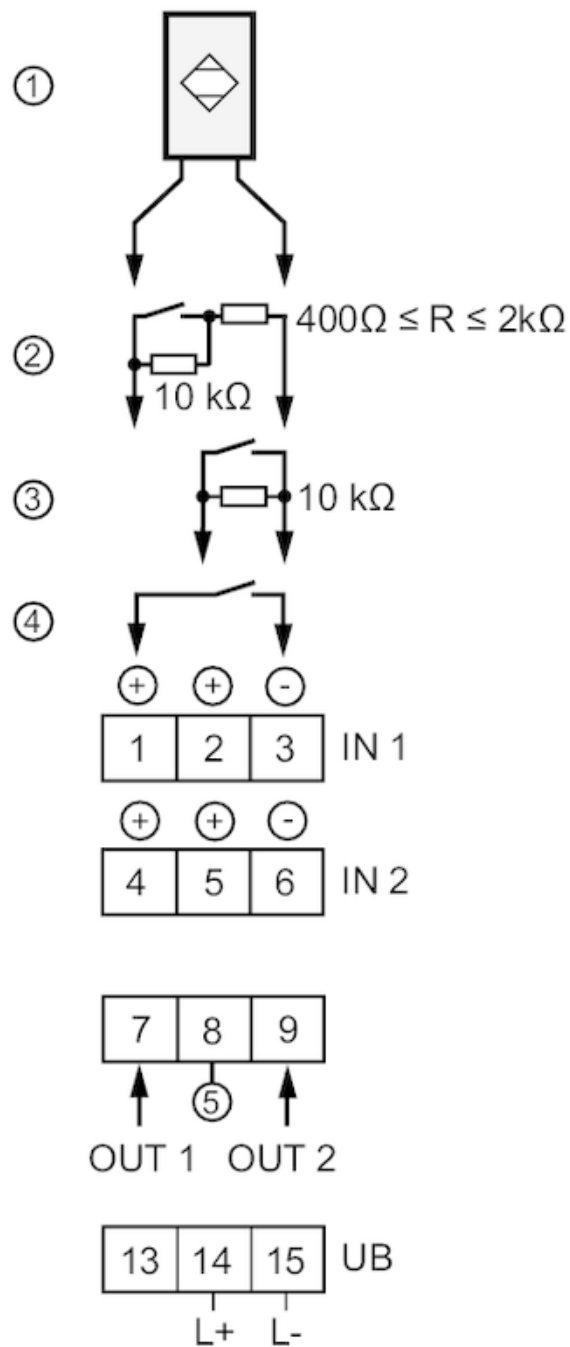
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Electrical connection

terminals: ...2.5 mm²

Connection



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Other data

Maximum values for control circuit

in protection rating intrinsic safety	[EEx ia] IIC	[EEx ia] IIB	[EEx ib] IIC	[EEx ib] IIB
Voltage [V]	10.5	10.5	10.5	10.5
Current [mA]	13	13	13	13
Power [mW]	34	34	34	34
External inductance [mH]	200	740	200	740
External capacitance [μ F]	2.4	16.8	2.4	16.8