

N0531A



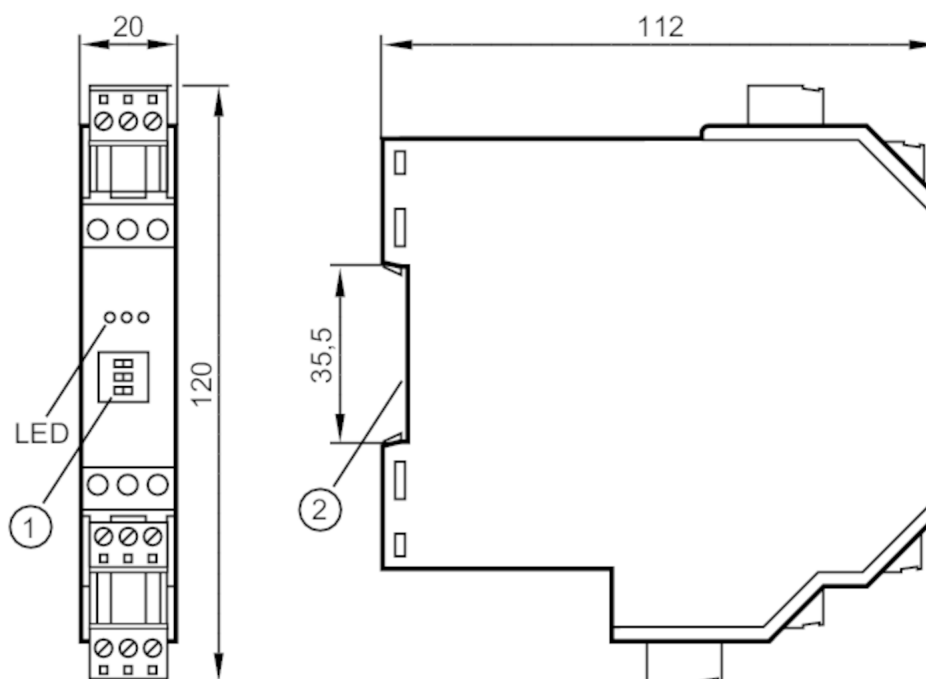
Switching amplifiers for Namur sensors

NV1122/24VDC/TR/1D/1G

phase-out article

Alternative articles: N0537A

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



- 1 selector switch
- 2 mounting on DIN rail



Product characteristics

Number of inputs and outputs Number of digital outputs: 2

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		1

Inputs / outputs

Number of inputs and outputs Number of digital outputs: 2

Outputs

Electrical design		PNP
Number of digital outputs		2
Max. voltage drop switching output DC	[V]	3.5
Max. current load per output	[mA]	100

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Switching frequency DC	[Hz]	5000
Short-circuit proof		yes
Operating conditions		
Ambient temperature	[°C]	-20...60
Protection		IP 20
Tests / approvals		
Approval		PTB 02 ATEX 2037; 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]	394
Mechanical data		
Weight	[g]	162
Displays / operating elements		
Display	switching status	LED, yellow
	operation	LED, green
	function	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.



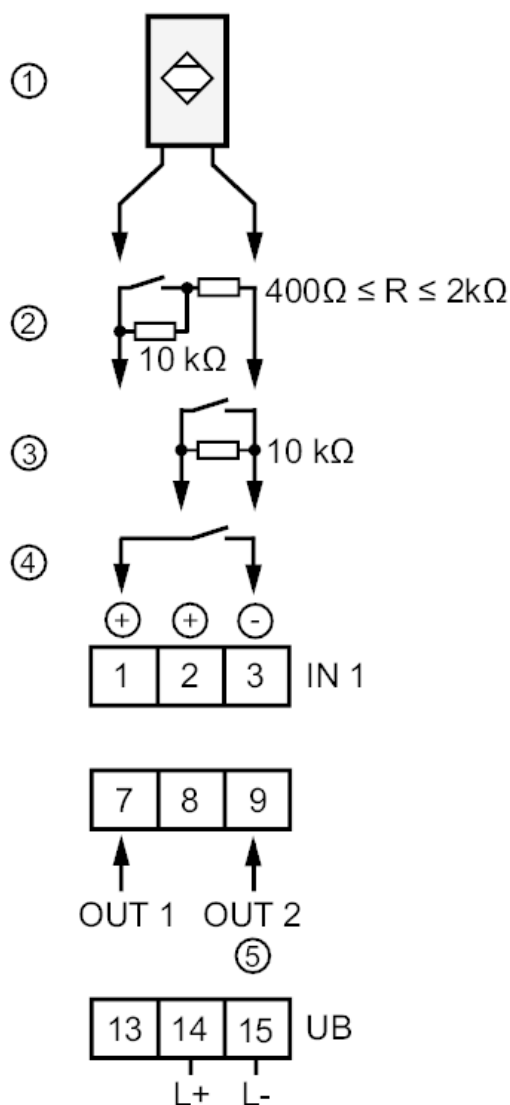
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Electrical connection

terminals: ...2.5 mm²

Connection



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 [μF]	2.4	16.8	2.4	16.8