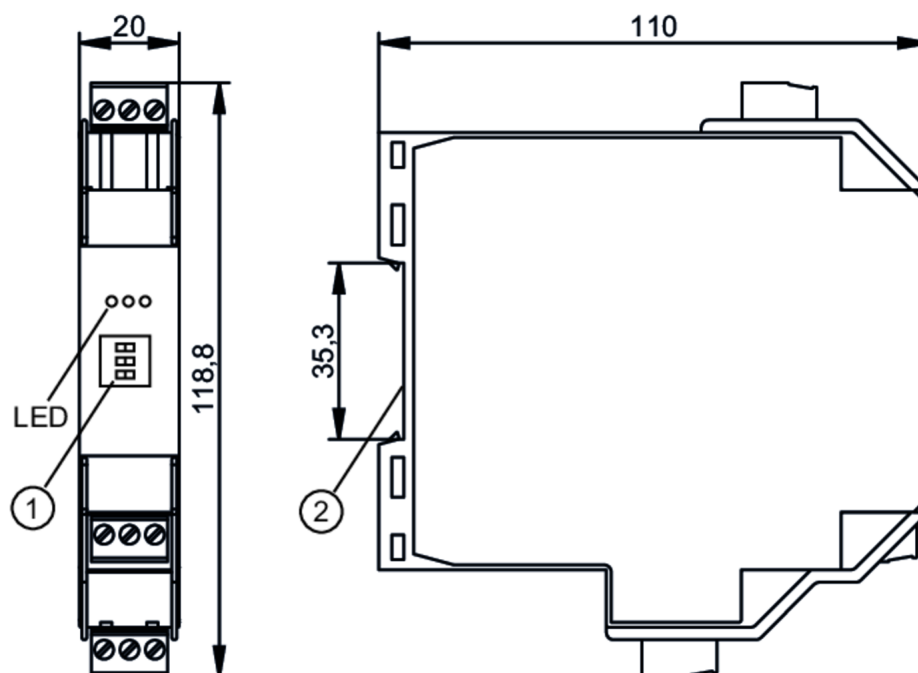


N0537A



Switching amplifiers for Namur sensors

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



- 1 selector switch
- 2 mounting on DIN rail



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2
------------------------------	------------------------------

Application

Design	housing for DIN rail mounting
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
Switching frequency DC [Hz]	5000
Short-circuit proof	yes

N0537A



Switching amplifiers for Namur sensors

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

Operating conditions		
Ambient temperature	[°C]	-20...60
Protection		IP 20
Tests / approvals		
Approval		FIDI 20 ATEX 0022X; IECEx FIDI 20.0003X
ATEX marking		 II 3 (1) G Ex nA [ia Ga] IIC T4 Gc
		 II (1) D [Ex ia Da] IIIC
		 I (M1) [Ex ia Ma] I
EMC		NE 21 (2012)
		EN 61326-3-2 (2008)
MTTF	[years]	345
Mechanical data		
Weight	[g]	180.4
Type of mounting		mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	118.8 x 20 x 110
Displays / operating elements		
Display	switching status	LED, yellow
	operation	LED, green
	function	LED, red
Remarks		
Remarks		Caution The switching amplifier has to be mounted according to the requirements of the operating instructions
		Free terminals must not be used.
Pack quantity		1 pcs.



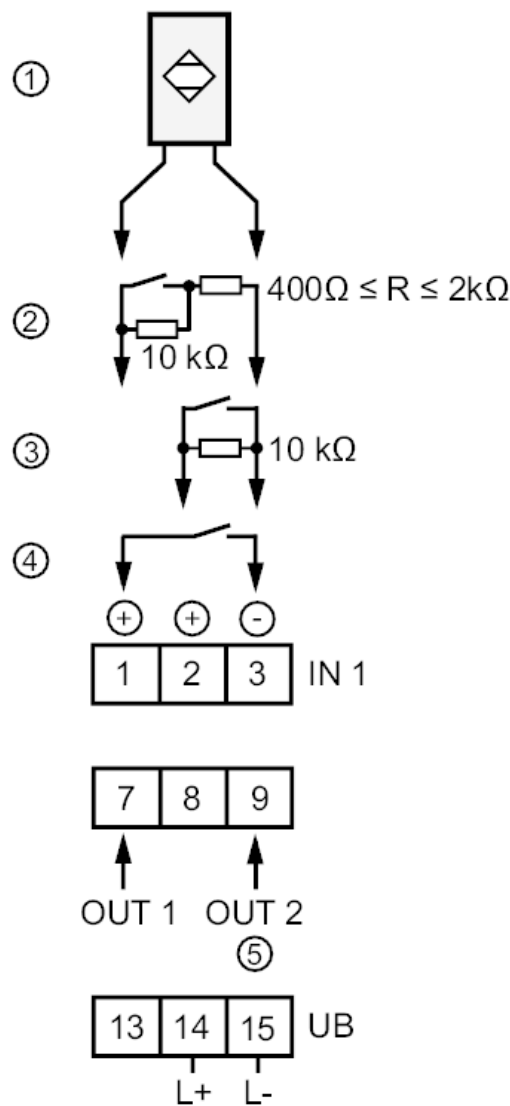
Switching amplifiers for Namur sensors

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

Electrical connection

terminals: ...2.5 mm²

Connection



Other data

Maximum values for control circuit

in protection rating	[Ex ia Ga] IIC	[Ex ia Ga] IIB	[Ex ia Ga] IIA	[Ex ia Ma] I
intrinsic safety				
Voltage [V]	10.5	10.5	10.5	10.5
Current [mA]	17.1	17.1	17.1	17.1
Power [mW]	45	45	45	45
External inductance [mH]	121.5	486.3	972.7	1000
or Lo/Ro [mH/Ω]	0.79	3.16	6.33	10.39
External capacitance [μF]	2.41	16.8	75	95