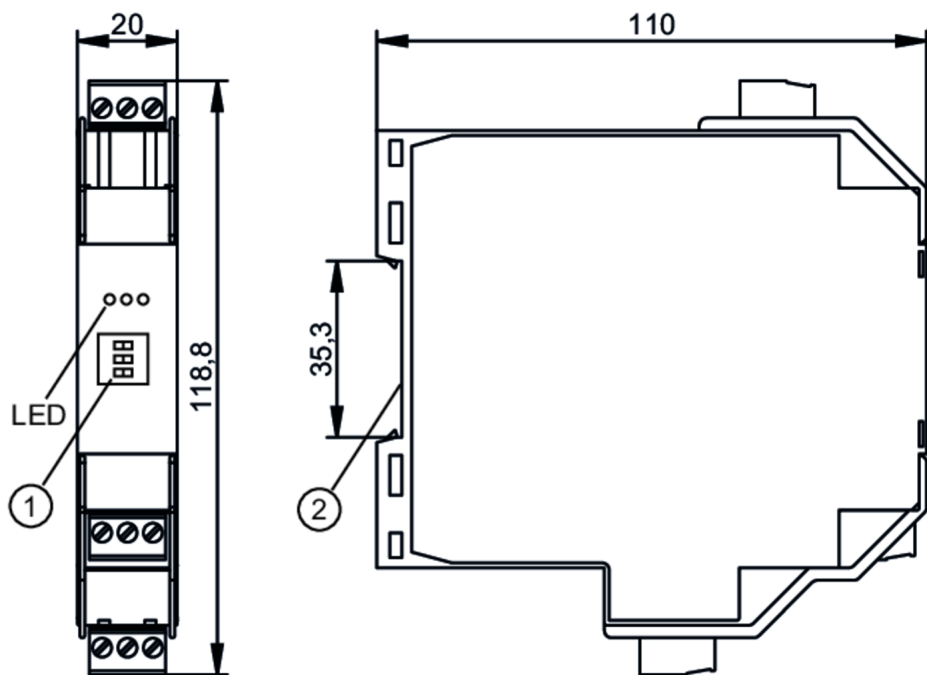


N0031A



Switching amplifiers for Namur sensors

NV1121/230VAC/RL/1D/1G



- 1 selector switch
- 2 mounting on DIN rail



Application

Design	housing for DIN rail mounting
Application	short-circuit monitoring; Wire monitoring

Electrical data

Operating voltage tolerance	[%]	-10...10
Operating voltage	[V]	230 AC
Max. power consumption	[VA]	1
Number of channels		1

Outputs

Electrical design	relay; (1 changeover contact)	
Contact rating	253 V AC / 2 A / cos phi > 0,7 // 40 V DC / 2 A; (ohmic resistance)	
Switching frequency AC	[Hz]	10

Operating conditions

Ambient temperature	[°C]	-20...60
Protection		IP 20

Tests / approvals

Approval	PTB 02 ATEX 2035; IECEx PTB 17.0023	
ATEX marking	Ex II (1) G [Ex ia Ga] IIC	
	Ex II (1) D [Ex ia Da] IIIC	
EMC	EN 50081-2	(1993)
	EN 61326-1	(2006)

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Switching amplifiers for Namur sensors

NV1121/230VAC/RL/1D/1G

MTTF	[years]	458
Mechanical data		
Weight	[g]	193.5
Housing		rectangular
Type of mounting		mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	118.8 x 20 x 110
Switching cycles mechanical		10 million
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.



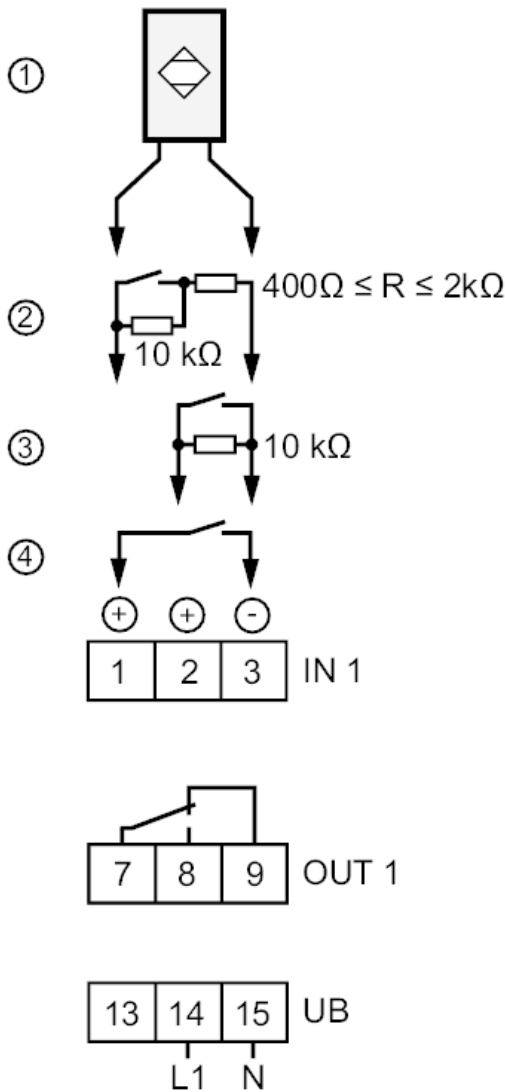
Switching amplifiers for Namur sensors

NV1121/230VAC/RL/1D/1G

Electrical connection

terminals: ...2.5 mm²

Connection



Other data

Maximum values for control circuit

in protection rating	[EEx ia] IIC	[EEx ia] IIB	[EEx ib] IIC	[EEx ib] IIB
intrinsic safety				
Voltage [V]	10.6	10.6	10.6	10.6
Current [mA]	19.1	19.1	19.1	19.1
Power [mW]	51	51	51	51
External inductance [mH]	97	390	97	390
External capacitance [μF]	2.32	16.2	2.32	16.2