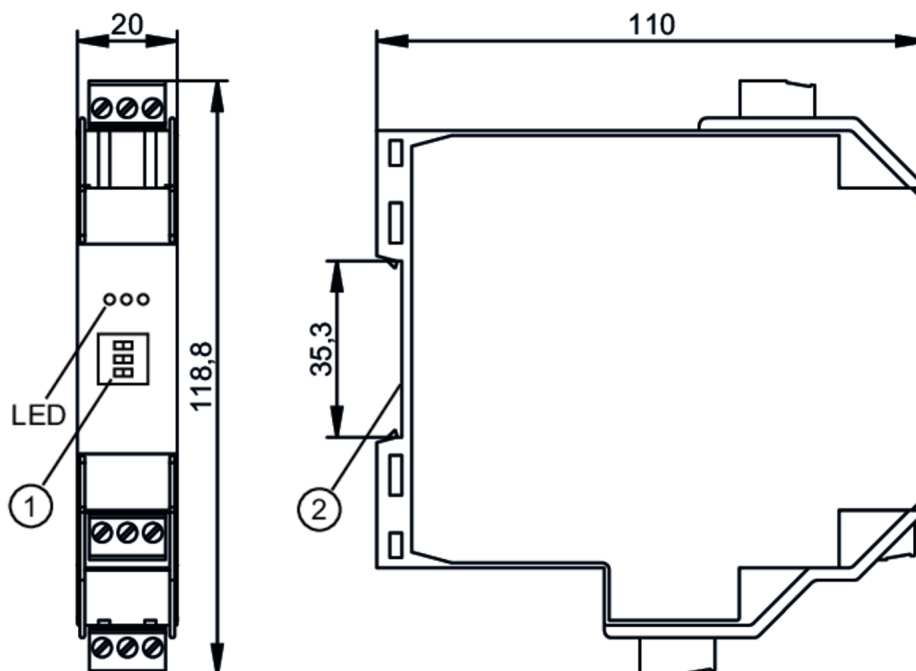


N0530A



Switching amplifiers for Namur sensors

NV1121/24VDC/RL/1D/1G



- 1 selector switch
- 2 mounting on DIN rail



Application

Application short-circuit monitoring; Wire monitoring

Electrical data

Operating voltage tolerance	[%]	-15...25
Operating voltage	[V]	24 DC
Current consumption	[mA]	< 23
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 DC	[Hz]	10

Operating conditions

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

Tests / approvals

Approval	PTB 02 ATEX 2036; IECEx PTB 17.0024	
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)
MTTF	[years]	325

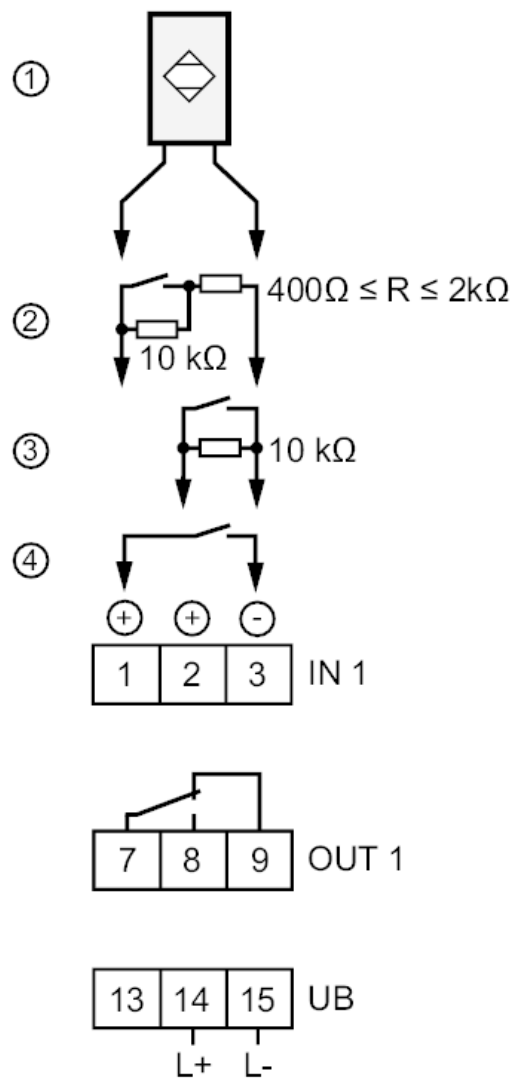
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Switching amplifiers for Namur sensors

NV1121/24VDC/RL/1D/1G

Mechanical data		
Weight	[g]	164.5
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.
Electrical connection		
terminals: ...2.5 mm²		
Connection		



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Switching amplifiers for Namur sensors

NV1121/24VDC/RL/1D/1G

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]	210	840	210	840
External capacitance [µF]	2.41	16.8	2.41	16.8