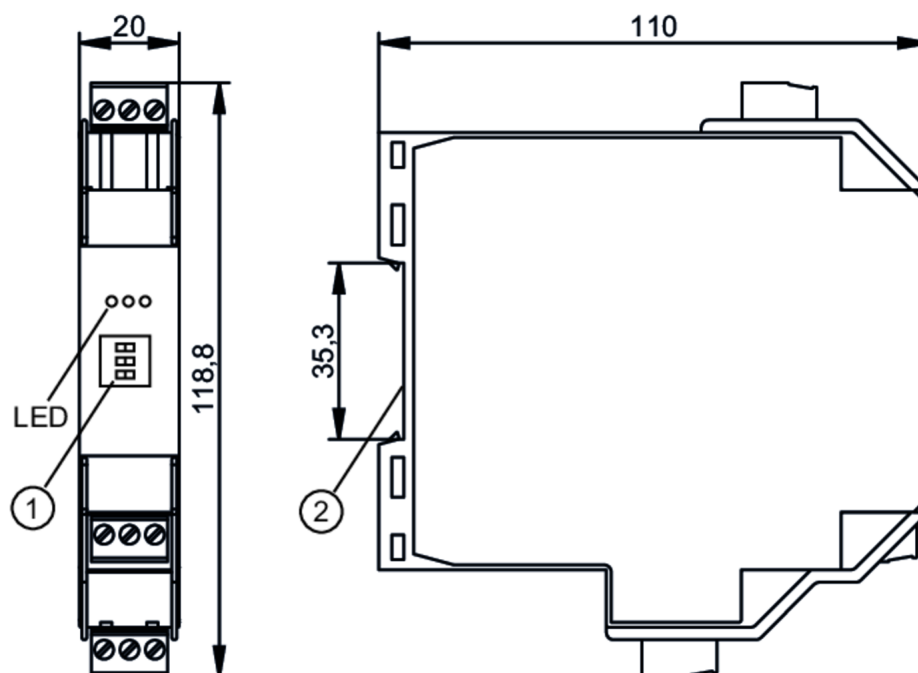


N0530A



Switching amplifiers for Namur sensors

NV1121/24VDC/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	[%]	-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)

N0530A



Switching amplifiers for Namur sensors

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

MTTF	[years]	325
Mechanical data		
Weight	[g]	164.5
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.



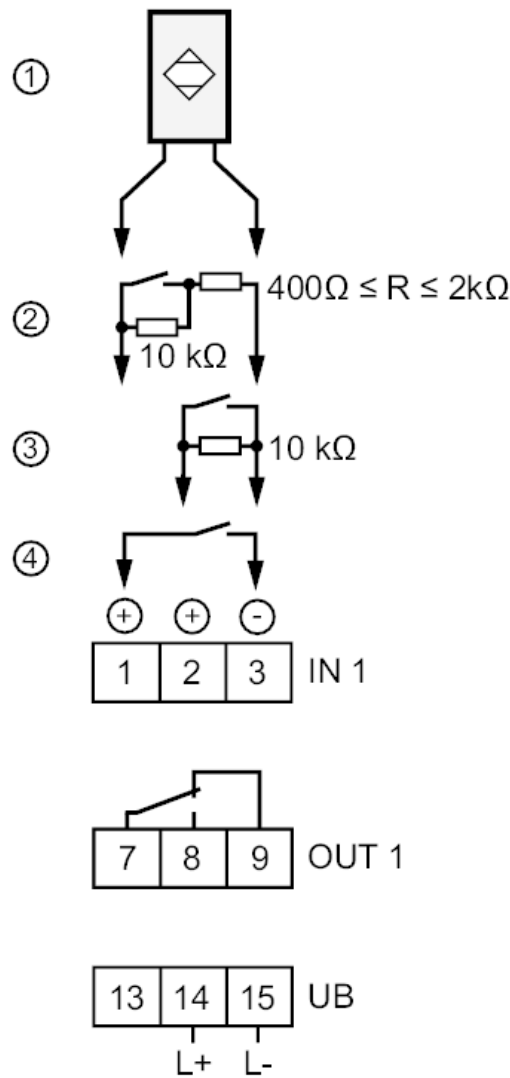
Switching amplifiers for Namur sensors

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

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