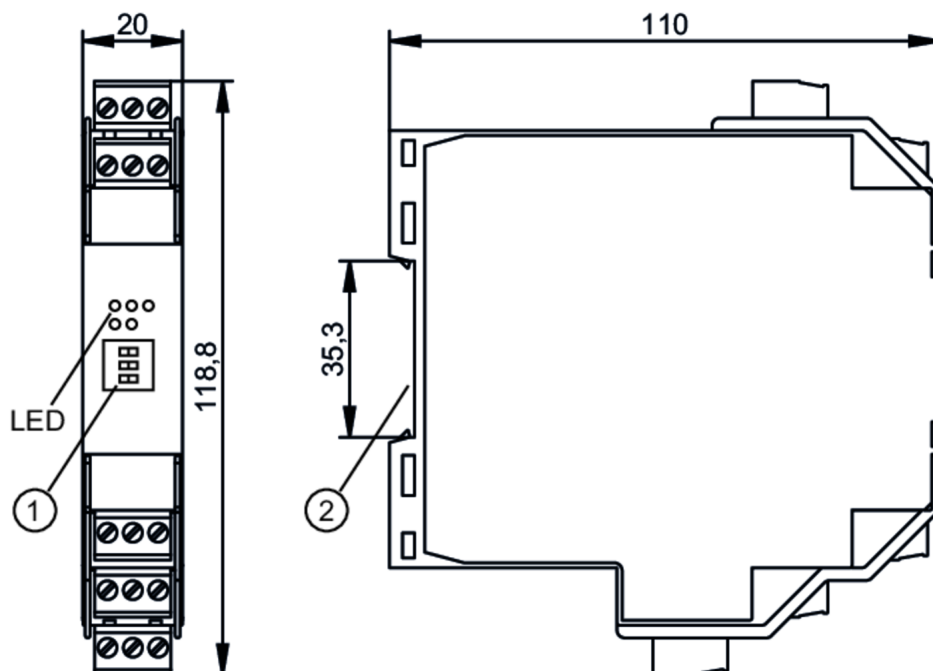


N0533A



Switching amplifiers for Namur sensors

NV1221/24VDC/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]	< 50
Number of channels		2

Outputs

Electrical design		relay; (per channel: 1 changeover contact parameterisable)
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)

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Switching amplifiers for Namur sensors

NV1221/24VDC/RL/1D/1G

MTTF	[years]	325
Mechanical data		
Weight	[g]	188.45
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	2 x LED, yellow
	operation	LED, green
	function	2 x 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.

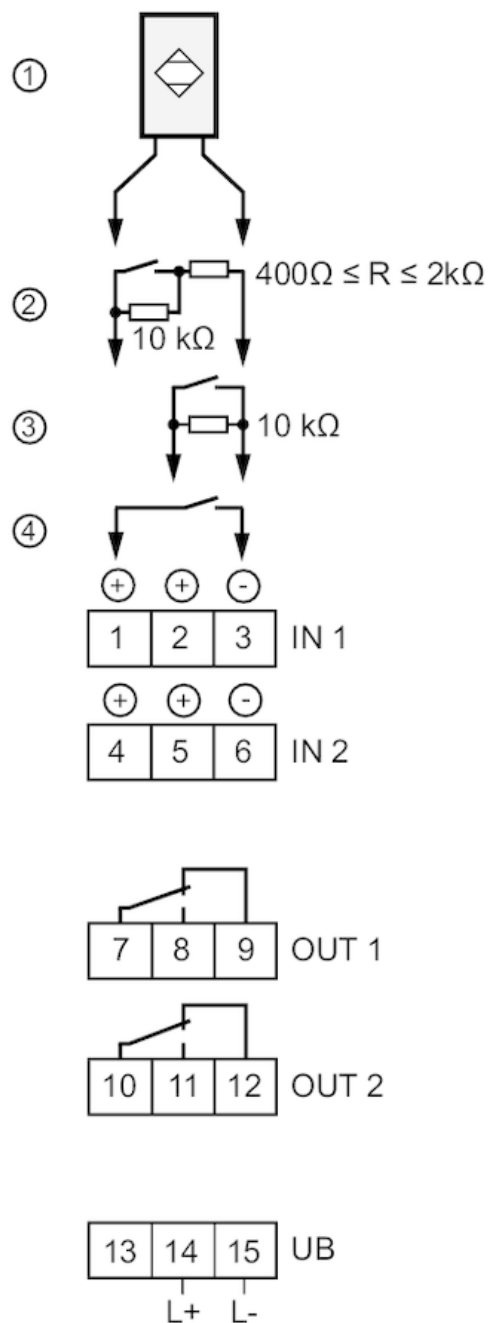
Switching amplifiers for Namur sensors

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Electrical connection

terminals: ...2.5 mm²

Connection



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Switching amplifiers for Namur sensors

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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