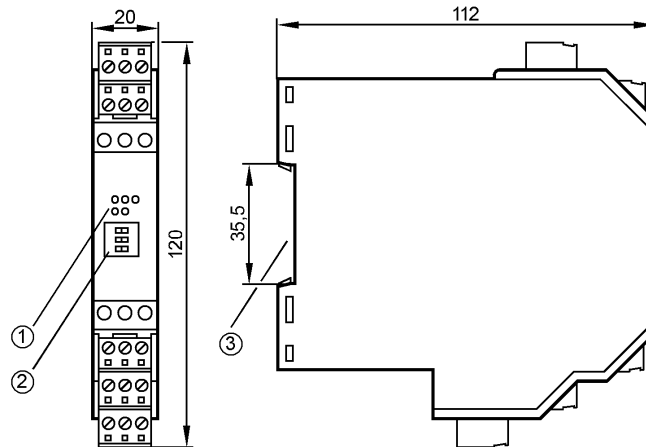


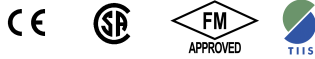
**N0032A**

NV1221/115VAC/RL/1D/1G

Evaluation systems



- 1: LED
- 2: selector switch
- 3: Mounting on DIN rail



**Product characteristics**

Switching amplifier for Namur sensors according to 94/9/EG (ATEX)

ATEX approval

Group II, category (1) G D

2-channel

Relay outputs

Programmable output function

Short-circuit and wire monitoring

**Electrical data**

Electrical design		AC
Operating voltage	[V]	115 AC (45...65 Hz)
Voltage tolerance	[%]	-10 / +10
Power consumption	[VA]	1.3

**Outputs**

Output function		relay (1 changeover contact per channel)
Switching frequency	[Hz]	10
Contact rating		253 V AC / 2 A / cos phi > 0.7 // 40 V DC / 2 A; ohmic resistance
Switch points		1.2...2.1 mA

**Environment**

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

**Tests / approvals**

Approval		PTB 02 ATEX 2035 TIIS TC16048
Marking of the unit		Ex II (1) G D [EEx ia] IIC
EMC		EN 50081-2 1993 / EN 50082-2 1995
MTTF	[Years]	458

**Safety classification**

**Maximum values for control circuit**

Designation		in protection rating intrinsic safety [EEx ia] IIC, [EEx ia] IIB, [EEx ib] IIC, [EEx ib] IIB
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## N0032A

NV1221/115VAC/RL/1D/1G

Evaluation systems

Voltage	[V]	10.6
Current	[mA]	19.1
Power	[mW]	51

in protection rating intrinsic safety

	[EEx ia] IIC	[EEx ia] IIB	[EEx ib] IIC	[EEx ib] IIB
External inductance	97 mH	390 mH	97 mH	390 mH
External capacitance	2.32 $\mu$ F	16.2 $\mu$ F	2.32 $\mu$ F	16.2 $\mu$ F

### Mechanical data

Weight	[kg]	0.211
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### Displays / operating elements

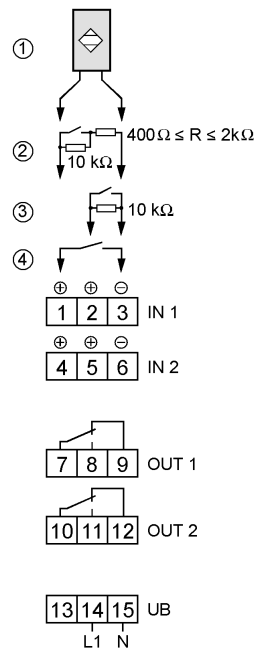
Operation	LED	green
Output status indication	LED	2 x yellow
Function display	LED	2 x red

### Electrical connection

Connection	terminals up to 2.5 mm <sup>2</sup>
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### Wiring

- 1: switch S3 in position I
- 2: switch S3 in position I  
without short-circuit monitoring
- 3: switch S3 in position I;  
without short-circuit and wire monitoring
- 4: switch S3 in position II;  
without short-circuit and wire monitoring



### Remarks

Remarks	Please note: The control monitor must be mounted outside the hazardous area! Free terminals must not be used.
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Pack quantity	[piece]	1
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