

# N0531A



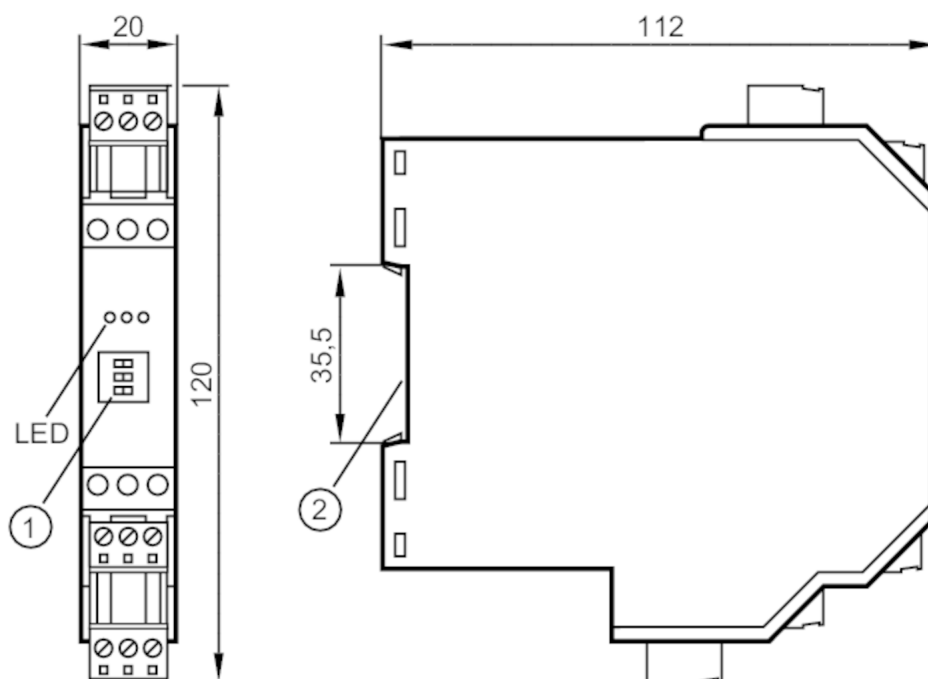
## Switching amplifiers for Namur sensors

NV1122/24VDC/TR/1D/1G

Article to be discontinued

Alternative articles: N0537A

When selecting an alternative article and accessories please note that technical data may differ!



- 1 selector switch
- 2 Mounting on DIN rail



### Product characteristics

Number of inputs and outputs      Number of digital outputs: 2

### Application

Application      short-circuit monitoring; Wire break monitoring

### Electrical data

|                             |      |          |
|-----------------------------|------|----------|
| Operating voltage tolerance | [%]  | -15...25 |
| Operating voltage           | [V]  | 24 DC    |
| Current consumption         | [mA] | < 50     |
| Number of channels          |      | 1        |

### Inputs / outputs

Number of inputs and outputs      Number of digital outputs: 2

### Outputs

|                                       |      |     |
|---------------------------------------|------|-----|
| Electrical design                     |      | PNP |
| Number of digital outputs             |      | 2   |
| Max. voltage drop switching output DC | [V]  | 3.5 |
| Max. current load per output          | [mA] | 100 |

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NV1122/24VDC/TR/1D/1G

|                                      |                  |                                                                         |
|--------------------------------------|------------------|-------------------------------------------------------------------------|
| Switching frequency DC               | [Hz]             | 5000                                                                    |
| Short-circuit proof                  |                  | yes                                                                     |
| <b>Operating conditions</b>          |                  |                                                                         |
| Ambient temperature                  | [°C]             | -20...60                                                                |
| Protection                           |                  | IP 20                                                                   |
| <b>Tests / approvals</b>             |                  |                                                                         |
| Approval                             |                  | PTB 02 ATEX 2037; IECEx PTB 06.0038                                     |
| ATEX marking                         |                  | II (1) G [Ex ia] IIC                                                    |
|                                      |                  | II (1) D [Ex ia] IIIC                                                   |
| EMC                                  |                  | EN 50081-2 (1993)                                                       |
|                                      |                  | EN 61326-1 (2006)                                                       |
| MTTF                                 | [years]          | 394                                                                     |
| <b>Mechanical data</b>               |                  |                                                                         |
| Weight                               | [g]              | 162                                                                     |
| <b>Displays / operating elements</b> |                  |                                                                         |
| Display                              | Switching status | LED, yellow                                                             |
|                                      | Power            | LED, green                                                              |
|                                      | Function         | LED, red                                                                |
| <b>Remarks</b>                       |                  |                                                                         |
| Remarks                              |                  | Caution The control monitor must be mounted outside the hazardous area. |
|                                      |                  | Free terminals must not be used.                                        |
| Pack quantity                        |                  | 1 pcs.                                                                  |



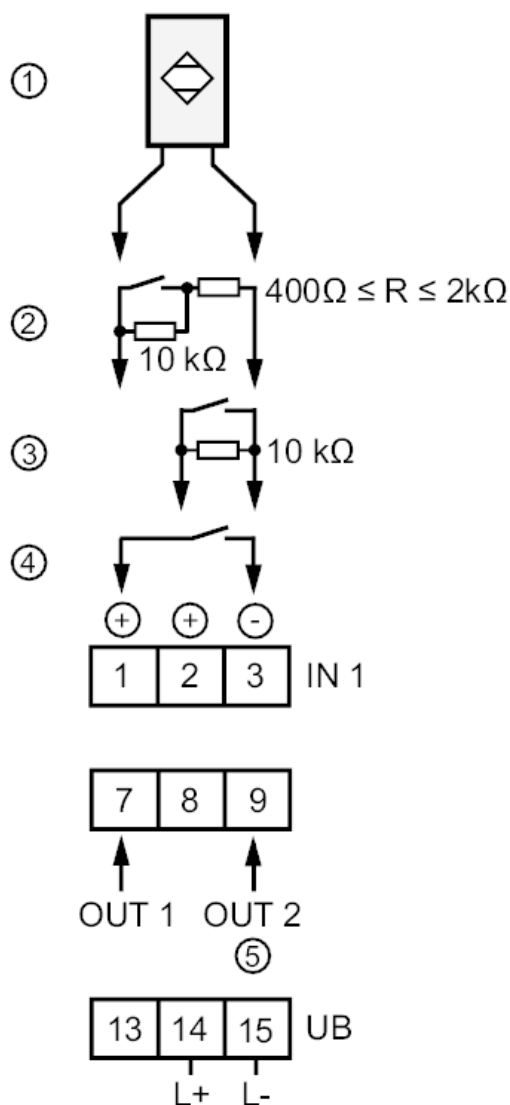
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### Electrical connection

terminals: ...2.5 mm<sup>2</sup>

### Connection



### Other data

#### Maximum values for control circuit

| in protection rating<br>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]                 | 200          | 740          | 200          | 740          |
| External capacitance [μF]                | 2.4          | 16.8         | 2.4          | 16.8         |