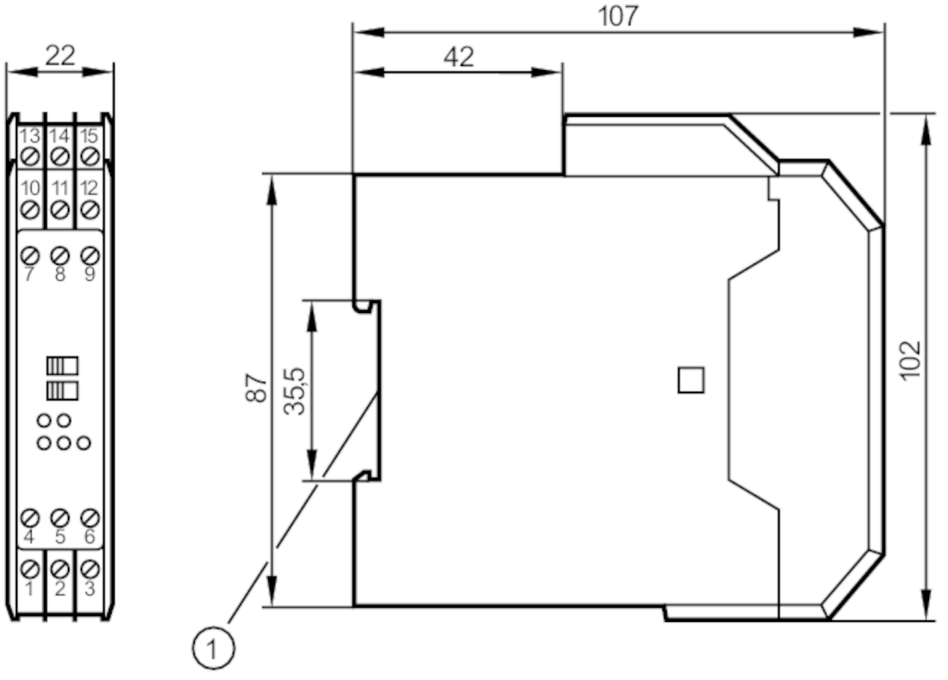
# N05204

## Switching amplifiers for Namur sensors

NV0201 20-30VDC,RL

Article no longer available - archive entry

Alternative articles: N0533A
When selecting an alternative article and accessories please note that technical data may differ!




1 mounting on DIN rail

| | | |
|---|---|---|
| **Application** | | |
| Application | | short-circuit monitoring; Wire monitoring |
| **Electrical data** | | |
| Operating voltage tolerance | [%] | -15...20 |
| Operating voltage | [V] | 20...30 DC |
| Number of channels | | 2 |
| **Outputs** | | |
| Electrical design | | relay |
| Contact rating | | 5 A, 250 V AC / 100 VA |
| Switching frequency DC | [Hz] | 20 |
| **Operating conditions** | | |
| Ambient temperature | [°C] | -20...60 |
| Protection | | IP 30 |
| Protection rating terminals | | IP 20 |
| **Tests / approvals** | | |
| Approval | | PTB Ex-95.C.2142X |

# N05204

## Switching amplifiers for Namur sensors

NV0201 20-30VDC,RL

| Safety classification | | |
|---|---|---|
| Designation | | in protection rating intrinsic safety |
| Voltage | [V] | < 11 |
| Current | [mA] | < 26 |
| Power | [mW] | < 72 |
| [Ex ia] IIC designation | | [EEx ia] IIC |
| [Ex ia] IIB designation | | [EEx ia] IIB |
| [Ex ib] IIC designation | | [EEx ib] IIC |
| [Ex ib] IIB designation | | [EEx ib] IIB |
| [Ex ia] IIC inductance | | 1mH / 2mH / 5mH |
| [Ex ia] IIB inductance | | 1mH / 2mH / 5mH |
| [Ex ib] IIC inductance | | 46mH |
| [Ex ib] IIB inductance | | 170mH |
| [Ex ia] IIC capacitance | | 567nF / 581nF / 483nF |
| [Ex ia] IIB capacitance | | 2.5µF / 2.2µF / 1.8µF |
| [Ex ib] IIC capacitance | | 2.5µF |
| [Ex ib] IIB capacitance | | 15µF |

| Mechanical data | | |
|---|---|---|
| Housing | | housing for DIN rail mounting |
| Dimensions | [mm] | 102 x 22 x 107 |

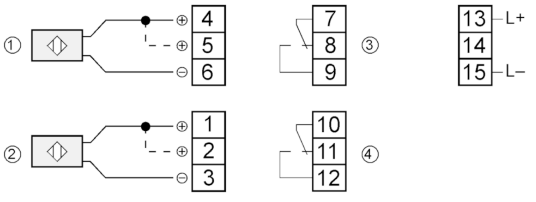
| Displays / operating elements | | |
|---|---|---|
| Display | switching status | 2 x LED, yellow |
| | operation | LED, green |
| | function | 2 x LED, red |

| Remarks | |
|---|---|
| Pack quantity | 1 pcs. |

## Electrical connection

terminals: 15 x ...2.5 mm²

Connection




1: sensor 1
2: sensor 2
3: Relais 1
4: Relais 2
link 4-5 / 1-2 = without wire-break monitoring