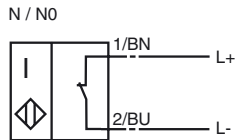
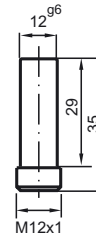


**Model Number**

NJ1,5-12M-N-V1-Y39651

**Connection****Dimensions****Technical Data****General specifications**

|                            |       |               |
|----------------------------|-------|---------------|
| Switching element function |       | NAMUR         |
| Rated operating distance   | $s_n$ | 1.5 mm        |
| Installation               |       | embeddable    |
| Assured operating distance | $s_a$ | 0 ... 1.21 mm |
| Reduction factor $r_{Al}$  |       | 0.4           |
| Reduction factor $r_{Cu}$  |       | 0.3           |
| Reduction factor $r_{V2A}$ |       | 0.85          |

**Nominal ratings**

|                              |       |               |
|------------------------------|-------|---------------|
| Nominal voltage              | $U_o$ | 8 V           |
| Switching frequency          | $f$   | 0 ... 2000 Hz |
| <b>Current consumption</b>   |       |               |
| Measuring plate not detected |       | $\geq 3$ mA   |
| Measuring plate detected     |       | $\leq 1$ mA   |

**Standard conformity**

|                        |                          |
|------------------------|--------------------------|
| EMC in accordance with | IEC / EN 60947-5-2:2004  |
| Standards              | DIN EN 60947-5-6 (NAMUR) |

**Ambient conditions**

|                     |                                |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 100 °C (248 ... 373 K) |
|---------------------|--------------------------------|

**Mechanical specifications**

|                    |                 |
|--------------------|-----------------|
| Connection type    | V1-connector    |
| Core cross-section | -               |
| Housing material   | Stainless steel |
| Sensing face       | PBT             |
| Protection degree  | IP67            |



**ATEX**

Data for Ex areas

|                                |       |                               |
|--------------------------------|-------|-------------------------------|
| Effective internal inductivity | $C_i$ | $\leq 30 \text{ nF}$          |
| Effective internal inductance  | $L_i$ | $\leq 20 \text{ }\mu\text{H}$ |

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