



Model Number

NJ4-12GK-N-Y37980

Technical Data

General specifications

| | | |
|----------------------------|-------|--------------|
| Switching element function | | NAMUR |
| Rated operating distance | s_n | 4 mm |
| Installation | | non-flush |
| Assured operating distance | s_a | 0 ... 3.3 mm |
| Reduction factor r_{Al} | | 0.4 |
| Reduction factor r_{Cu} | | 0.3 |
| Reduction factor r_{304} | | 0.85 |

Nominal ratings

| | | |
|------------------------------|-------|---------------|
| Nominal voltage | U_o | 8 V |
| Switching frequency | f | 0 ... 1500 Hz |
| Current consumption | | |
| Measuring plate not detected | | ≥ 3 mA |
| Measuring plate detected | | ≤ 1 mA |

Standard conformity

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

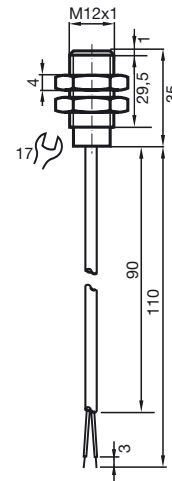
Ambient conditions

| | |
|---------------------|---------------------------------|
| Ambient temperature | -25 ... 100 °C (-13 ... 212 °F) |
|---------------------|---------------------------------|

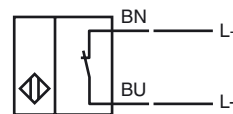
Mechanical specifications

| | |
|----------------------|----------------------|
| Core cross-section | 0.34 mm ² |
| Housing material | PVDF |
| Sensing face | PVDF |
| Degree of protection | IP68 |

Dimensions



Electrical Connection





ATEX

Data for Ex areas

| | | |
|--------------------------------|-------|-------------------|
| Effective internal inductivity | C_i | ≤ 40 nF |
| Effective internal inductance | L_i | ≤ 25 μ H |

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