



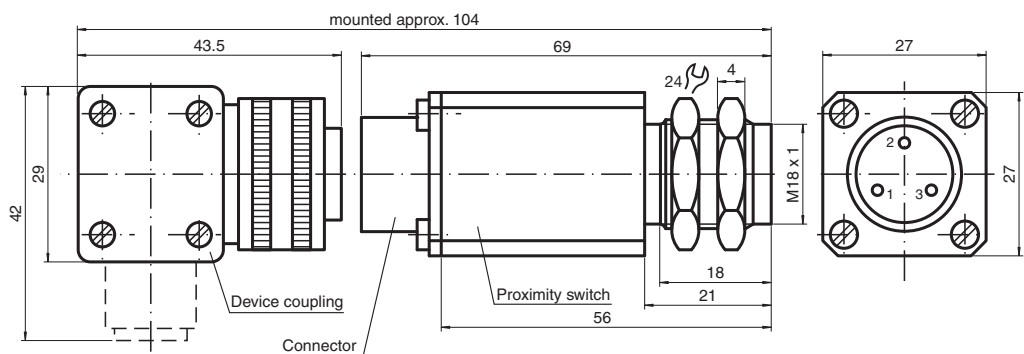
# Inductive sensor

## NJ2-N-H42

- Comfort series
- 2 mm flush
- Compression proof up to 350 bar, dynamic on active surface



### Dimensions



### Technical Data

| General specifications            |                |                      |
|-----------------------------------|----------------|----------------------|
| Switching function                |                | Normally closed (NC) |
| Output type                       |                | NAMUR                |
| Rated operating distance          | s <sub>n</sub> | 1.5 mm               |
| Installation                      |                | flush                |
| Assured operating distance        | s <sub>a</sub> | 0 ... 1.22 mm        |
| Reduction factor r <sub>Al</sub>  |                | 0                    |
| Reduction factor r <sub>Cu</sub>  |                | 0                    |
| Reduction factor r <sub>304</sub> |                | 0.55                 |
| Output type                       |                | 2-wire               |
| Nominal ratings                   |                |                      |
| Nominal voltage                   | U <sub>o</sub> | 8 V                  |
| Switching frequency               | f              | 0 ... 400 Hz         |

## Technical Data

|                                                 |   |                                                                                             |
|-------------------------------------------------|---|---------------------------------------------------------------------------------------------|
| Hysteresis                                      | H | typ. 5 %                                                                                    |
| Current consumption                             |   |                                                                                             |
| Measuring plate not detected                    |   | min. 3 mA                                                                                   |
| Measuring plate detected                        |   | ≤ 1 mA                                                                                      |
| <b>Compliance with standards and directives</b> |   |                                                                                             |
| Standard conformity                             |   |                                                                                             |
| NAMUR                                           |   | EN 60947-5-6:2000<br>IEC 60947-5-6:1999                                                     |
| Standards                                       |   | EN 60947-5-2:2007<br>EN 60947-5-2/A1:2012<br>IEC 60947-5-2:2007<br>IEC 60947-5-2 AMD 1:2012 |
| <b>Approvals and certificates</b>               |   |                                                                                             |
| UL approval                                     |   | cULus Listed, General Purpose                                                               |
| CSA approval                                    |   | cCSAus Listed, General Purpose                                                              |
| CCC approval                                    |   | CCC approval / marking not required for products rated ≤36 V                                |
| <b>Ambient conditions</b>                       |   |                                                                                             |
| Ambient temperature                             |   | -25 ... 100 °C (-13 ... 212 °F)                                                             |
| <b>Mechanical specifications</b>                |   |                                                                                             |
| Connection type                                 |   | connector, ZH 630 603 00<br>Socket, ZH 632 603 00                                           |
| Housing material                                |   | Stainless steel 1.4305 / AISI 303                                                           |
| Sensing face                                    |   | Ceramic                                                                                     |
| Degree of protection                            |   | IP50                                                                                        |
| Mass                                            |   | 167 g                                                                                       |

## Connection

N/N0

