







# **Model Number**

NJ2-14GM-N-C50

# **Features**

2 mm flush

# **Technical Data**

## **General specifications**

Switching function

Output type
Rated operating distance
Installation
Assured operating distance
Reduction factor r<sub>AI</sub>
Reduction factor r<sub>OU</sub>
Output type

NAMUR

Sam
Hush
Hush

Normally closed (NC)

NAMUR

I bush

Sa

0 ... 1.62 mm

0.4

0.4

Reduction factor r<sub>CU</sub>
0.3

Reduction factor r<sub>304</sub>
Output type
2-wire

#### **Nominal ratings**

# Measuring plate detected Measuring plate detected Functional safety related parameters

 $\begin{array}{ll} \text{MTTF}_d & 5887 \text{ a} \\ \text{Mission Time } (T_M) & 20 \text{ a} \\ \text{Diagnostic Coverage (DC)} & 0 \% \end{array}$ 

#### Ambient conditions

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

#### Mechanical specifications

Connection type connector (Lemo)
Housing material Stainless steel 1.4305 / AISI 303
Sensing face PBT

IP67

# Degree of protection General information

Use in the hazardous area see instruction manuals Category 2G

#### Compliance with standards and

#### directives

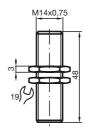
Standard conformity

NAMUR EN 60947-5-6:2000 IEC 60947-5-6:1999 Standards EN 60947-5-2:2007 IEC 60947-5-2:2007

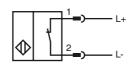
#### Approvals and certificates

UL approval cULus Listed, General Purpose
CSA approval cCSAus Listed, General Purpose
CCC approval CCC approval / marking not required for products rated ≤36 V

## **Dimensions**



# **Electrical Connection**



Wire colors in accordance with EN 60947-5-6

1 2 (brown) BU (blue)

Equipment protection level Gb  CE marking  C € 0102  ATEX marking  Standards  Standards  Standards  EN 60079-0:2012+A11:2013, EN 60079-11:2012 [gnition protection "Intrinsic safety" Use is restricted to the following stated conditions  Appropriate type  NJ 2-14GM-N  Effective internal capacitance  C <sub>1</sub> ≤ 30 nF; a cable length of 10 m is considered.  Effective internal inductance  L <sub>1</sub> ≤ 50 μH; a cable length of 10 m is considered.  Details of the correlation between the type of circuit connected, the maximum permissible ambient temperature T <sub>amb</sub> Details of the correlation between the type of circuit connected, the maximum permissible ambient temperature class, and the effective internal reactance values can be found on the EU-type examination ce  Special conditions  Equipment protection level Da  CE marking  C € 0102  ATEX marking  Standards  Standards  EN 60079-0:2012+A11:2013, EN 60079-11:2012 [gnition protection "Intrinsic safety" Use is restricted to the following stated conditions  Appropriate type  NJ 2-14GM-N  Effective internal capacitance  C <sub>1</sub> ≤ 30 μF A cable length of 10 m is considered.
ATEX marking  (E)    2G Ex ia    IC T6T1 Gb The Ex-related marking can also be printed on the enclosed label.  Standards  EN 60079-0:2012+A11:2013, EN 60079-11:2012   gnition protection "Intrinsic safety" Use is restricted to the following stated conditions  Appropriate type   NJ 2-14GM-N  Effective internal capacitance   C₁   ≤ 30 nF; a cable length of 10 m is considered.  Effective internal inductance   L₁   ≤ 50 μH; a cable length of 10 m is considered.  Maximum permissible ambient temperature Tamb   Details of the correlation between the type of circuit connected, the maximum permissible ambient temperature class, and the effective internal reactance values can be found on the EU-type examination ce  Special conditions  Equipment protection level Da  CE marking   C € 0102  ATEX marking   C € 0102  ATEX marking   C € 0102  Standards   EN 60079-0:2012+A11:2013, EN 60079-11:2012   gnittion protection "Intrinsic safety"   Use is restricted to the following stated conditions  Appropriate type   NJ 2-14GM-N  Effective internal capacitance   C₁   ≤ 30 μF
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