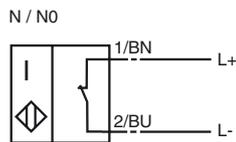
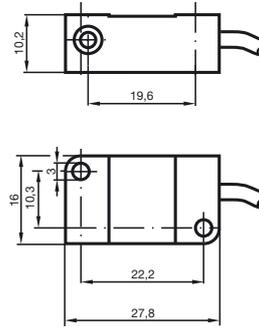


**Model Number**

NJ2-V3-N-Y106408

**Features**

- Comfort series
- 2 mm embeddable

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

Switching element function		NAMUR NC
Rated operating distance	$s_n$	2 mm
Installation		embeddable
Output polarity		NAMUR
Assured operating distance	$s_a$	0 ... 1.62 mm
Reduction factor $r_{AI}$		0.25
Reduction factor $r_{Cu}$		0.2
Reduction factor $r_{V2A}$		0.7

**Nominal ratings**

Nominal voltage	$U_o$	8 V
Switching frequency	$f$	0 ... 1000 Hz
Hysteresis	$H$	typ. %
Current consumption		
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)
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**Mechanical specifications**

Connection type	2 m, PVC cable
Core cross-section	0.14 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP67

**General information**

Use in the hazardous area	see instruction manuals
Category	2G

**ATEX 2G**

Instruction

**Device category 2G**

Directive conformity

Standard conformity

CE symbol

Ex-identification

EC-Type Examination Certificate

Appropriate type

Effective internal capacitance  $C_i$ Effective internal inductance  $L_i$ 

General

Highest permissible ambient temperature

Installation, Commissioning

Maintenance

[Fett]Special conditions

**Manual electrical apparatus for hazardous areas**

for use in hazardous areas with gas, vapour and mist

94/9/EG

EN 60079-0:2006, EN 60079-11:2007

Ignition protection "Intrinsic safety"

Use is restricted to the following stated conditions

CE 0102

 II 2G Ex ia IIC T6

PTB 00 ATEX 2032 X

NJ 2-V3-N ...

≤ 40 nF ; a cable length of 10 m is considered.

≤ 50 μH ; a cable length of 10 m is considered.

The apparatus has to be operated according to the appropriate data in the data sheet and in this instruction manual. The EC-Type Examination Certificate has to be observed. The special conditions must be adhered to!

The temperature ranges, according to temperature class, are given in the EC-Type Examination Certificate.

Laws and/or regulations and standards governing the use or intended usage goal must be observed. The intrinsic safety is only assured in connection with an appropriate related apparatus and according to the proof of intrinsic safety.

No changes can be made to apparatus, which are operated in hazardous areas. Repairs to these apparatus are not possible.