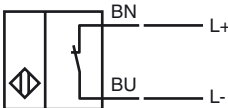
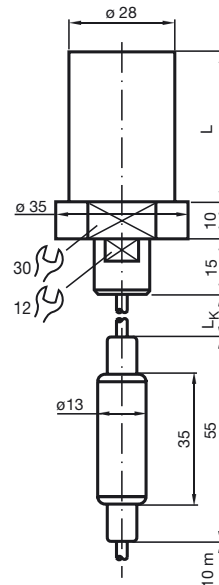


**Model Number**

NJ4-N-H31

**Features**

- Temperature range  
0 ... 200 °C (0 ... 392 °F)
- 4 mm embeddable

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

Switching element function	NAMUR, NC
Rated operating distance	$s_n$ 4 mm
Installation	embeddable
Output polarity	NAMUR
Assured operating distance	$s_a$ 0 ... 3.04 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	$f$ 1000 Hz
Hysteresis	$H$ ≤ 20 % at 200°C
Current consumption	
Measuring plate not detected	≥ 3 mA
Measuring plate detected	≤ 1 mA

**Ambient conditions**

Ambient temperature	0 ... 200 °C (32 ... 392 °F)
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**Mechanical specifications**

Connection type	cable PVC , 10 m
Core cross-section	0.34 mm <sup>2</sup>
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PPS
Housing length L	40 / 50 / 60 / 80 / 100 [mm]
Protection degree	IP65
Cable length $L_k$	0,5 / 0,75 / 1 / 2 / 3 / 4 / 6 / 8 / 10 [m]
Note	amplifier -25°C...70°C Teflon cable between amplifier and oscillator

**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	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.