



CE

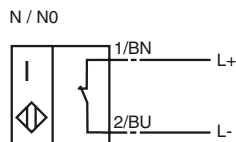
Model Number

FJ6-110-N

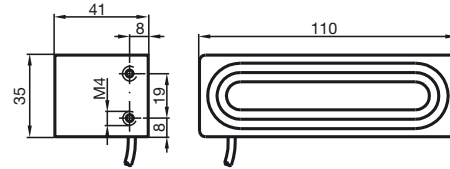
Features

- Comfort series
- 6 mm embeddable

Connection



Dimensions



Technical Data

General specifications

Switching element function	NAMUR NC
Rated operating distance	s_n 6 mm
Installation	embeddable
Output polarity	NAMUR
Assured operating distance	s_a 0 ... 4.86 mm
Reduction factor r_{AI}	0.4
Reduction factor r_{Cu}	0.3
Reduction factor r_{V2A}	0.85

Nominal ratings

Nominal voltage	U_o 8 V
Operating voltage	U_B 5 ... 25 V
Switching frequency	f 0 ... 280 Hz
Hysteresis	H typ. %

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 (248 ... 373 K)
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Mechanical specifications

Connection type	2 m, PUR cable
Core cross-section	0.34 mm ²
Housing material	brass, zinc plated
Sensing face	POM
Protection degree	IP67



ATEX

Data for Ex areas

Effective internal inductivity	C_i	$\leq 140 \text{ nF}$
Effective internal inductance	L_i	$\leq 110 \text{ }\mu\text{H}$

Release date: 2002-11-11 11:31 Date of issue: 2008-06-30 023037_ENG.xml