



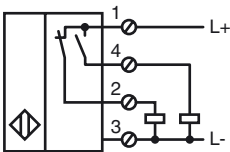
Model Number

NJ10-M1K-A2-Y222497

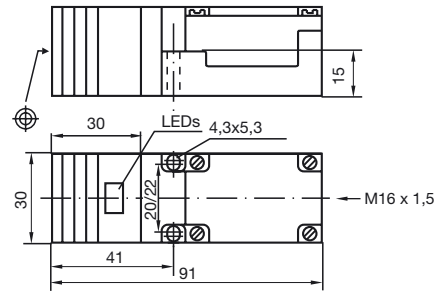
Features

- 10 mm flush
- 4-wire DC

Connection



Dimensions



Technical Data

General specifications

Switching element function		PNP	NO/NC
Rated operating distance	s_n	10 mm	
Installation		flush	
Output polarity		DC	
Assured operating distance	s_a	0 ... 8.1 mm	
Reduction factor r_{Al}		0.4	
Reduction factor r_{Cu}		0.37	
Reduction factor r_{304}		0.74	

Nominal ratings

Operating voltage	U_B	10 ... 60 V DC
Switching frequency	f	0 ... 500 Hz
Hysteresis	H	typ. 6 %
Reverse polarity protected		yes
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 14.5 mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow

Functional safety related parameters

MTTF _d	930 a
Mission Time (T_M)	20 a
Diagnostic Coverage (DC)	0 %

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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Mechanical specifications

Connection type	screw terminals
Core cross-section	up to 2.5 mm ²
Housing material	PBT
Sensing face	PBT
Protection degree	IP67

Compliance with standards and directives

Standard conformity	
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	Certified by China Compulsory Certification (CCC)