



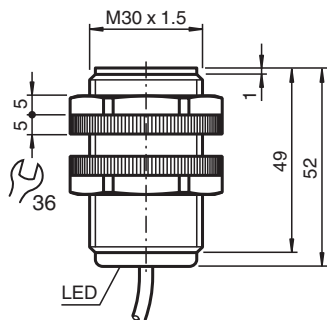
Inductive sensor

NBB10-30GK50-E2-30M

- With increased sealing, protection class IP68 / IP69K



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	S _n	10 mm
Installation		flush
Output polarity		DC
Assured operating distance	S _a	0 ... 8.1 mm
Reduction factor r _{AI}		0.3
Reduction factor r _{Cu}		0.3
Reduction factor r ₃₀₄		0.8
Output type		3-wire
Nominal ratings		
Operating voltage	U _B	10 ... 30 V
Switching frequency	f	0 ... 200 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 3 V

Release date: 2024-05-28 Date of issue: 2024-06-02 Filename: 191543_eng.pdf

Technical Data

Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 20 mA
Switching state indicator		all direction LED, yellow
Functional safety related parameters		
MTTF _d		2062 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cablc PVC , 30 m
Core cross section		0.34 mm²
Housing material		PBT
Sensing face		PBT
Degree of protection		IP68 / IP69K
Dimensions		
Length		50 mm
Diameter		30 mm
Note		use only delivered nuts

Connection

