



**Model Number**

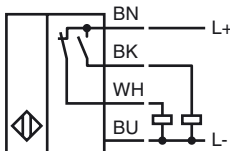
**NJ15-30GM50-A2-5M**

Inductive sensor

**Features**

- **Stainless steel housing**
- **15 mm non-flush**

**Connection**

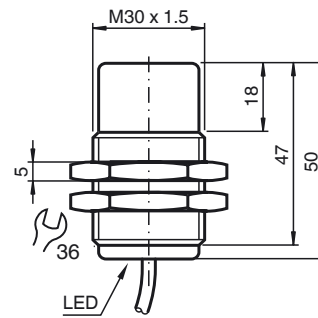


**Accessories**

**BF 30**

Mounting flange, 30 mm

**Dimensions**



**Technical Data**

**General specifications**

Switching element function		PNP	NO/NC
Rated operating distance	$s_n$	15 mm	
Installation		non-flush	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 12.15 mm	
Reduction factor $r_{Al}$		0.45	
Reduction factor $r_{Cu}$		0.4	
Reduction factor $r_{304}$		0.8	

**Nominal ratings**

Operating voltage	$U_B$	10 ... 60 V	
Switching frequency	$f$	0 ... 300 Hz	
Hysteresis	$H$	typ. 5 %	
Reverse polarity protection		reverse polarity protected	
Short-circuit protection		pulsing	
Voltage drop	$U_d$	$\leq 3$ V	
Operating current	$I_L$	0 ... 400 mA	
No-load supply current	$I_0$	$\leq 15$ mA	
Indication of the switching state		LED, yellow	

**Functional safety related parameters**

MTTF <sub>d</sub>	1190 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	cable PVC , 5 m
Core cross-section	0.75 mm <sup>2</sup>
Housing material	Stainless steel 1.4305 / AISI 303
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
CSAus approval	cCSAus Listed, General Purpose

Release date: 2013-01-08 12:07 Date of issue: 2013-01-08 222511\_eng.xml