

Inductive sensor

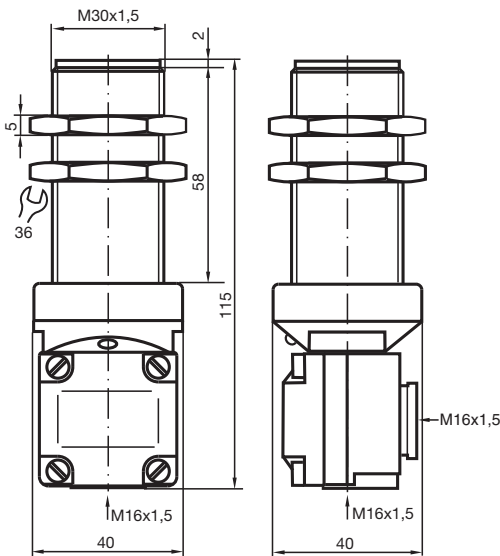
NBB15-30GKK-WS



■ Basic series



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	15 mm
Installation		flush
Output polarity		AC
Assured operating distance	s_a	0 ... 12.15 mm
Reduction factor r_{AI}		0.33
Reduction factor r_{Cu}		0.28
Reduction factor r_{304}		0.82
Nominal ratings		
Operating voltage	U_B	20 ... 250 V
Switching frequency	f	0 ... 20 Hz
Hysteresis	H	typ. 5 %

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Short-circuit protection		no
Voltage drop	U_d	$\leq 8 \text{ V}$
Momentary current (20 ms, 0.1 Hz)		0 ... 1600 mA
Operating current	I_L	1.5 ... 200 mA
No-load supply current	I_0	$\leq 1.7 \text{ mA}$
Time delay before availability	t_v	$\leq 20 \text{ ms}$

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)

Ambient conditions

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

Connection type		terminal compartment
Core cross-section		up to 2.5 mm ²
Housing material		PBT
Sensing face		PBT
Degree of protection		IP67

Note

¹⁾ In the temperature range below 0 °C, permissible operating voltage U_b 80...253 V
Safety fuse $\leq 0.3 \text{ A}$ (quick-blow) according to IEC 60127-2 Sheet 1
Recommendation: after a short circuit, check that the device is functioning correctly.

Connection

