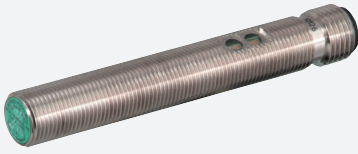


Inductive sensor

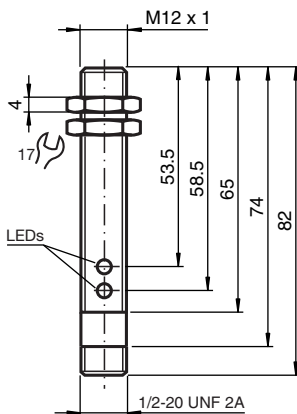
NBB4-12GM65-US-V12



- 4 mm flush
- 2-wire AC/DC



Dimensions



Technical Data

General specifications

Switching function	Normally open (NO)	
Output type		Two-wire
Rated operating distance	s_n	4 mm
Installation		flush
Output polarity		AC/DC
Reduction factor r_{AI}		0.5
Reduction factor r_{Cu}		0.45
Reduction factor r_{304}		0.75

Nominal ratings

Operating voltage	U_B	20 ... 250 V AC/20 ... 300 V DC
Switching frequency	f	30 Hz

Technical Data

Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		yes
Voltage drop	U _d	≤ 8 V
Operating current	I _L	8 ... 200 mA AC/DC
Off-state current	I _r	≤ 0.8 mA
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow

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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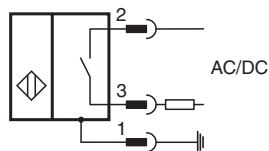
Mechanical specifications

Connection type		Connector 1/2"-20 UN , 3-pin
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67

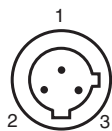
General information

Scope of delivery		2 self locking nuts in scope of delivery
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Connection



Connection Assignment



Wire colors

1	GN (green)
2	RD/BK (red/black)
3	RD/WH (red/white)

Accessories

	EXG-12	Quick mounting bracket with dead stop
	V12-G-YE2M-PVC	Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable

Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 197867_eng.pdf