



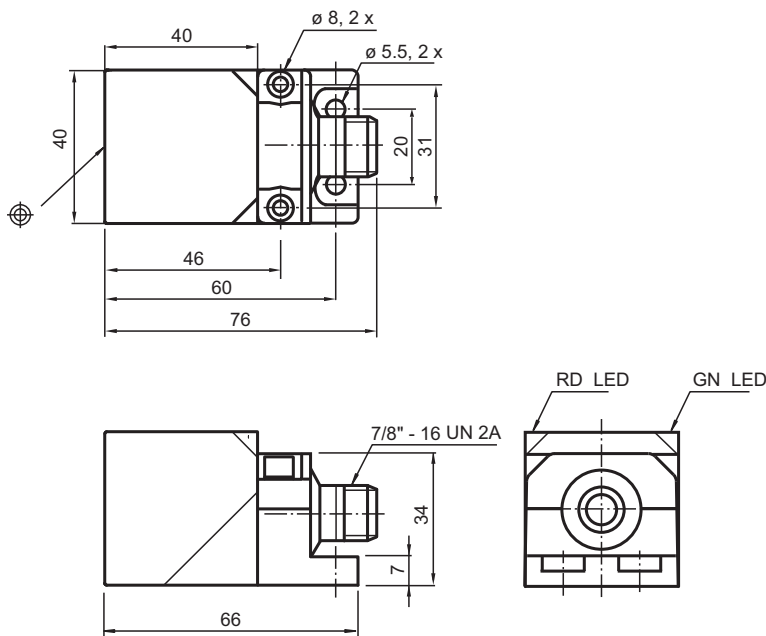
Inductive sensor

NBN40-L3M-US-C3-V93

- 40 mm non-flush
- 2-corner LED, metal base & mount
- 2-wire AC/DC
- Weld Immune



Dimensions



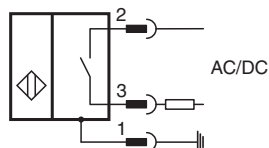
Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	40 mm
Installation		non-flush
Output polarity		AC/DC
Assured operating distance	s_a	0 ... 12.96 mm
Reduction factor r_{AI}		0.30 - 0.40
Reduction factor r_{304}		0.60 - 0.80

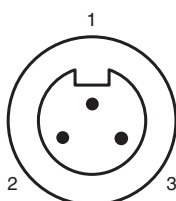
Technical Data

Output type	2-wire	
Nominal ratings		
Switching frequency	f	2 Hz
Hysteresis	H	3 ... 15 typ. 10 %
Reverse polarity protection	reverse polarity protected	
Short-circuit protection		pulsing
Voltage drop	U _d	< 5 V
Operating current	I _L	3 ... 300 mA
Off-state current	I _r	≤ 1.7 mA
No-load supply current	I ₀	≤ 0.6 mA
Operating voltage indicator	LED, green	
Switching state indicator		LED, red
Indicators/operating means		
LED red/green		Short circuit/overload indication (alternate flashing)
Electrical specifications		
Rated operating voltage	U _e	24 ... 250 V DC / 24 ... 230 V AC
Operating voltage	U _B	20 ... 300 V DC / 20 ... 253 V AC
Compliance with standards and directives		
Standard conformity		
Standards		IEC 61000-4 / EN 60947-5-2:2004
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)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Connection type		Connector plug 7/8 inch-16 UN , 3-pin
Housing material		Zinc, PTFE coated
Sensing face		Thermoset Plastic
Housing base		Zinc, PTFE coated
Degree of protection		IP67

Connection



Connection Assignment



Wire colors

1	GN	(green)
2	BK	(black)
3	WH	(white)

Accessories

	MHW 01	Modular mounting bracket
	MH 02-L	Mounting aid
	V93-G-YE2M-STOOW	Female cordset, 7/8\", 3-pin, STOOW cable

Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 908754_eng.pdf