

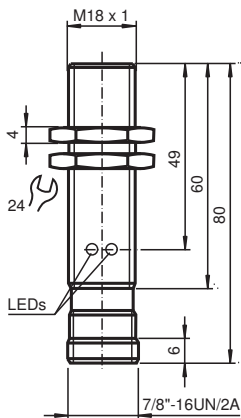
Inductive sensor

NBB5-18GM80-WS-V93

- 5 mm flush
- 2-wire AC



Dimensions



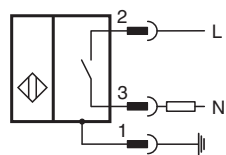
Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s _n	5 mm
Installation		flush
Output polarity		AC
Assured operating distance	s _a	0 ... 4.05 mm
Actual operating distance	s _r	4.5 ... 5.5 mm typ. 5 mm
Reduction factor r _{Al}		0.2
Reduction factor r _{Cu}		0.2
Reduction factor r ₃₀₄		0.6
Nominal ratings		
Operating voltage	U _B	20 ... 253 V
Switching frequency	f	0 ... 20 Hz
Hysteresis	H	typ. 6 %
Reverse polarity protection		reverse polarity tolerant
Voltage drop	U _d	< 5 V (I _L > 50 mA); < 8 V (I _L < 50 mA)
Momentary current (20 ms, 0.1 Hz)		0 ... 1600 mA
Operating current	I _L	5 ... 200 mA

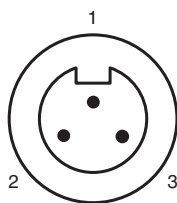
Technical Data

Off-state current	I_r	0 ... 1.7 mA typ.
Time delay before availability	t_v	≤ 30 ms
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)
Mechanical specifications		
Connection type		Connector 7/8"-16 UN , 3-pin
Housing material		brass, nickel-plated
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 ≤ 0.8 A (quick-blow) according to IEC 60127-2 Sheet 1 Recommendation: after a short circuit, check that the device is functioning correctly.

Connection



Connection Assignment



Wire colors

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

Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 124316_eng.pdf

Accessories

	BF 18	Mounting flange, 18 mm
	EXG-18	Quick mounting bracket with dead stop
	V93-G-YE2M-STOOW	Female cordset, 7/8", 3-pin, STOOW cable