



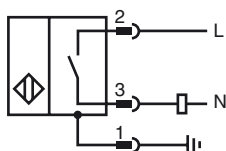
Model Number

NBN8-18GM60-WS-V12

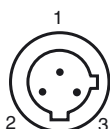
Features

- 2-wire AC
- Sensing range 8 mm

Connection



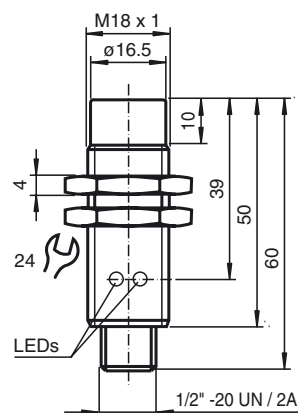
Pinout



Wire colors

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

Dimensions



Technical Data

General specifications

Switching element function	AC	NO
Rated operating distance	s_n	8 mm
Installation		non-flush
Output polarity		AC
Assured operating distance	s_a	0 ... 6.48 mm
Reduction factor r_{AI}		0.4
Reduction factor r_{Cu}		0.4
Reduction factor r_{304}		0.7

Nominal ratings

Operating voltage	U_B	20 ... 253 V
Switching frequency	f	0 ... 25 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection		yes
Short-circuit protection		NO
Voltage drop	U_d	≤ 8 V
Momentary current (20 ms, 0.1 Hz)		0 ... 1700 mA
Operating current	I_L	5 ... 200 mA
Off-state current	I_r	0 ... 1.7 mA typ.
Operating voltage display		LED, green
Indication of the switching state		LED, yellow

Standard conformity

Standards	IEC / EN 60947-5-2:2004
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Ambient conditions

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

Connection type	Device connector 1/2"-20 UN , 3-pin
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PBT
Protection degree	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.

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose