



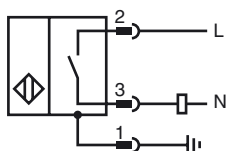
**Model Number**

NBN8-18GM60-WS-V12

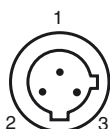
**Features**

- 2-wire AC
- Sensing range 8 mm

**Connection**



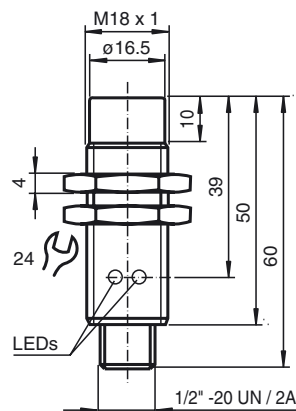
**Pinout**



**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 $r_{Al}$		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