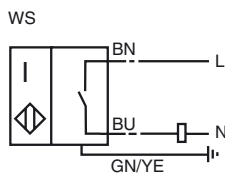


**Model Number**

NBB5-18GM60-WS-10M

**Features**

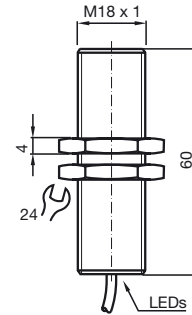
- Basic series
- 5 mm embeddable

**Connection****Accessories****EXG-18**

Mounting aid

**BF 18**

Mounting flange

**Dimensions****Technical Data****General specifications**

Switching element function	AC	Make function
Rated operating distance	$s_n$	5 mm
Installation	embeddable	
Output polarity	AC	
Assured operating distance	$s_a$	0 ... 4.05 mm
Reduction factor $r_{AI}$	0.2	
Reduction factor $r_{Cu}$	0.2	
Reduction factor $r_{V2A}$	0.6	

**Nominal ratings**

Operating voltage	$U_B$	20 ... 253 V
Switching frequency	$f$	0 ... 20 Hz
Hysteresis	$H$	typ. 6 %
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
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 (248 ... 343 K)
Storage temperature	-25 ... 85 °C (248 ... 358 K)

**Mechanical specifications**

Connection type	10 m, PVC cable
Core cross-section	0.34 mm <sup>2</sup>
Housing material	brass, nickel-plated
Sensing face	PBT
Protection degree	IP67

**Note**

<sup>1)</sup> In the temperature range below 0 °C, permissible operating voltage  $U_b$  80...253 V  
 Safety fuse  $\leq 0.8$  A (quick-blow) according to IEC 60127-2  
 Sheet 1  
 Recommendation: after a short circuit, check that the device is functioning correctly.