



Model Number

NBN8-18GM60-WS-V11

Features

- Basic series
- 8 mm non-flush

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 ... 6.5 mm	
Actual operating distance	s_r	7.2 ... 8.8 mm typ. 8 mm	
Reduction factor r_{AI}		0.42	
Reduction factor r_{CU}		0.4	
Reduction factor r_{304}		0.72	

Nominal ratings

Operating voltage	U_B	20 ... 253 V
Switching frequency	f	0 ... 20 Hz
Hysteresis	H	typ. 7.5 %
Voltage drop	U_d	≤ 8 V
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.
Time delay before availability	t_v	≤ 30 ms
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow

Ambient conditions

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

Connection type	M12 connector, male, 4-pin, B-coded
Cable version	PA
Housing material	brass, nickel-plated
Sensing face	PBT
Degree of protection	IP67

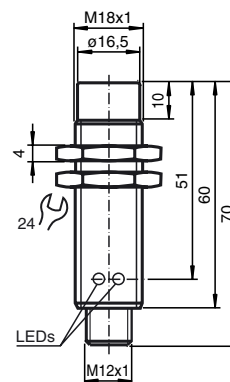
Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

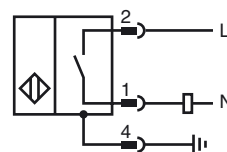
Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Certified by China Compulsory Certification (CCC)

Dimensions

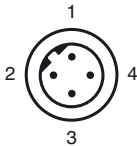


Electrical Connection





Pinout



Wire colors

1	BU	(blue)
2	BN	(brown)
4	GN/YE	(green/yellow)