



Model Number

NBB4-12GM65-US-V12

Features

- 4 mm flush
- 2-wire AC/DC

Accessories

EXG-12

Quick mounting bracket with dead stop

Technical Data

General specifications

Switching element function		AC/DC	NO
Rated operating distance	s_n	4 mm	
Installation		flush	
Output polarity		AC/DC NO contact	
Reduction factor r_{Al}		0.5	
Reduction factor r_{Cu}		0.45	
Reduction factor r_{304}		0.75	

Nominal ratings

Operating voltage	U_B	20 ... 250 V AC/20 ... 300 V DC
Switching frequency	f	30 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		yes
Voltage drop	U_d	≤ 8 V
Operating current	I_L	8 ... 200 mA AC/DC
Off-state current	I_r	≤ 0.8 mA
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	Connector 1/2"-20 UN , 3-pin
Housing material	brass, nickel-plated
Sensing face	PBT
Degree of protection	IP67

General information

Scope of delivery	2 self locking nuts in scope of delivery
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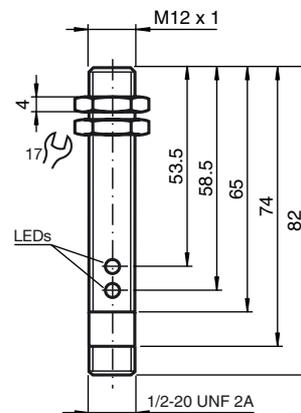
Compliance with standards and directives

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

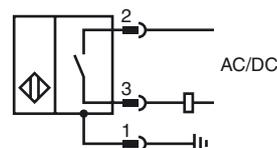
Approvals and certificates

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

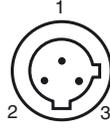
Dimensions



Electrical Connection



Pinout



Wire colors

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