



### 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	$U_d$	$\leq 8$ V
Operating current	$I_L$	8 ... 200 mA AC/DC
Off-state current	$I_r$	$\leq 0.8$ 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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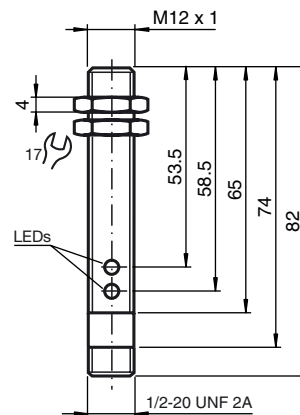
### Compliance with standards and directives

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

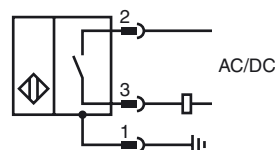
### Approvals and certificates

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

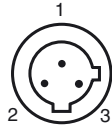
## Dimensions



## Electrical Connection



Pinout



Wire colors

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