



### Model Number

NBN12-18GM35-E3-5M

### Features

- Basic series
- 12 mm non-flush
- Increased operating distance

## Technical Data

### General specifications

Switching element function		PNP	NC
Rated operating distance	$s_n$	12 mm	
Installation		non-flush	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 9.72 mm	
Reduction factor $r_{Al}$		0.35	
Reduction factor $r_{Cu}$		0.35	
Reduction factor $r_{304}$		0.7	

### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 300 Hz
Hysteresis	$H$	type 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 2.5$ V
Operating current	$I_L$	0 ... 100 mA
No-load supply current	$I_0$	$\leq 12$ mA
Switching state indicator		all direction LED, yellow

### Ambient conditions

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

Connection type	cable PVC, 5 m
Core cross-section	0.34 mm <sup>2</sup>
Housing material	brass, nickel-plated
Sensing face	PBT
Degree of protection	IP67

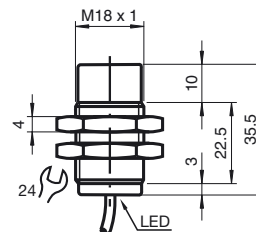
### Compliance with standards and directives

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

### Approvals and certificates

UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated $\leq 36$ V

## Dimensions



## Electrical Connection

