



### Model Number

**NBN15-30GM50-E0-C-V1**

### Features

- Weld Immune

### Accessories

#### BF 30

Mounting flange, 30 mm

#### V1-G

Female connector, M12, 4-pin, field attachable

#### V1-W

Female connector, M12, 4-pin, field attachable

#### V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

#### V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

## Technical Data

### General specifications

Switching element function		NPN	NO
Rated operating distance	$s_n$	15 mm	
Installation		non-flush	
Assured operating distance	$s_a$	0 ... 8.1 mm	
Reduction factor $r_{Al}$		0.3	
Reduction factor $r_{Cu}$		0.2	
Reduction factor $r_{304}$		0.6	

### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 10 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 200 mA
Off-state current	$I_r$	0 ... 0.5 mA typ. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_0$	$\leq 20$ mA
Time delay before availability	$t_v$	$\leq 30$ ms
Constant magnetic field	B	100 mT
Alternating magnetic field	B	100 mT
Switching state indicator		Multihole-LED, yellow

### Standard conformity

Standards	IEC / EN 60947-5-2:2004
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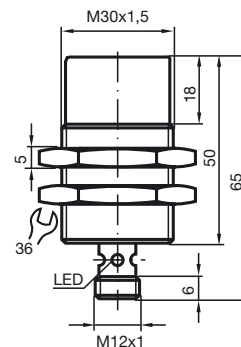
### Ambient conditions

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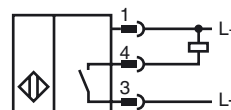
### Mechanical specifications

Housing material	Brass, PTFE coated
Sensing face	PPS; Ryton R4
Degree of protection	IP67

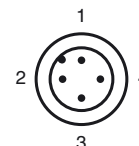
## Dimensions



## Electrical Connection



## Pinout





Wire colors in accordance with EN 60947-5-2

1		BN	(brown)
2		WH	(white)
3		BU	(blue)
4		BK	(black)

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