



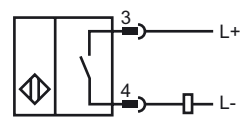
**Model Number**

**NBN15-30GM40-Z0-V1**

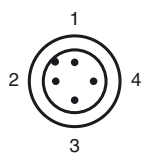
**Features**

- 15 mm not embeddable
- Extended temperature range
- 2-wire DC

**Connection**



**Pinout**



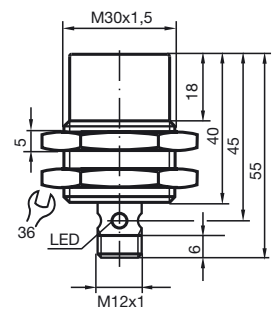
Wire colors in accordance with EN 60947-5-2

- 1 | BN
- 2 | WH
- 3 | BU
- 4 | BK

**Accessories**

- V1-G**  
Field attachable female cordset
- BF 30**  
Mounting flange, 30 mm
- V1-G-2M-PUR**  
Cable socket, M12, 4-pin, PUR cable

**Dimensions**



**Technical Data**

General specifications		
Switching element function		DC NO
Rated operating distance	$s_n$	15 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	$s_a$	0 ... 12.15 mm ( -25 ... 70 °C (-13 ... 158 °F) ) 0 ... 11.4 mm ( -40 ... -25 °C (-40 ... -13 °F) )
Reduction factor $r_{Al}$		0.4
Reduction factor $r_{Cu}$		0.35
Reduction factor $r_{V2A}$		0.7
Nominal ratings		
Operating voltage	$U_B$	5 ... 60 V
Switching frequency	$f$	0 ... 150 Hz
Hysteresis	$H$	1 ... 10 typ. 5 %
Reverse polarity protected		tolerant
Short-circuit protection		pulsing
Voltage drop	$U_d$	≤ 5 V
Operating current	$I_L$	2 ... 100 mA
Lowest operating current	$I_m$	2 mA
Off-state current	$I_r$	0 ... 0.5 mA typ.
Indication of the switching state		Multihole-LED, yellow
Ambient conditions		
Ambient temperature		-40 ... 70 °C (-40 ... 158 °F)
Mechanical specifications		
Connection type		Device connector M12 x 1 , 4-pin
Housing material		brass, nickel-plated
Sensing face		PBT
Protection degree		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)

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