



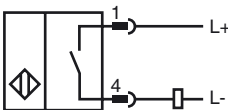
**Model Number**

NCN25-30GM50-Z4-V1

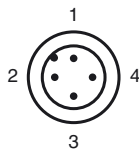
**Features**

- 25 mm not embeddable
- 2-wire DC
- Increased operating distance

**Connection**



**Pinout**



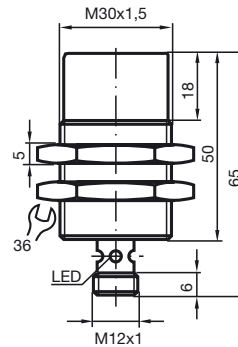
Wire colors in accordance with EN 60947-5-2

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

**Accessories**

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

**Dimensions**



**Technical Data**

**General specifications**

Switching element function	DC	NO
Rated operating distance	$s_n$	25 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	$s_a$	0 ... 20 mm
Reduction factor $r_{Al}$		0.4
Reduction factor $r_{Cu}$		0.4
Reduction factor $r_{303}$		0.7
Reduction factor $r_{Brass}$		0.5

**Nominal ratings**

Operating voltage	$U_B$	3.5 ... 30 V
Switching frequency	$f$	500 Hz
Hysteresis	$H$	typ. 3 %
Reverse polarity protected		reverse polarity-conductive
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3.5$ V
Temperature drift		$\pm 15\%$
Operating current	$I_L$	2 ... 100 mA
Off-state current	$I_r$	typ. 0.8 mA
Indication of the switching state		LED, yellow
Pre-fault indication		LED, red
Stability control-switch point		0,8 $s_r$ ... 0,9 $s_r$

**Ambient conditions**

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-25 ... 85 °C (-13 ... 185 °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	Products with a maximum operating voltage of $\leq 36$ V do not bear a CCC marking because they do not require approval.

Release date: 2011-07-14 10:56 Date of issue: 2011-07-14 13:1623\_eng.xml

Installation hint

Correlation between output signal/LED-function and stable operating distance  $s_s$ / effective operating distance  $s_r$ ; ( $s_s$  typ. 80 % of  $s_r$ )

