

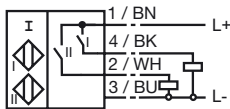


**Model Number**

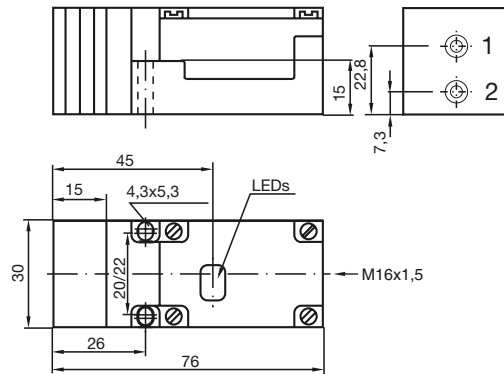
NCN4-M3K-E8

**Connection**

E8



**Dimensions**



**Technical Data**

**General specifications**

Switching element function		PNPDual Make function
Rated operating distance	$s_n$	4 mm
Installation		not embeddable
Output polarity		switched high
Assured operating distance	$s_a$	0 ... 3.8 mm
Reduction factor $r_{Al}$		0.37
Reduction factor $r_{Cu}$		0.36
Reduction factor $r_{V2A}$		0.74

**Nominal ratings**

Mounting conditions

A	12 mm
B	90 mm
C	12 mm
D	12 mm
F	6 mm
G	0 mm

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 200 Hz
Hysteresis	$H$	2 ... 15 typ. 6 %
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 1.5$ V
Operating current	$I_L$	0 ... 50 mA
No-load supply current	$I_0$	$\leq 20$ mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow

**Ambient conditions**

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Storage temperature	-40 ... 85 °C (233 ... 358 K)

**Mechanical specifications**

Connection type	terminal compartment
Core cross-section	up to 2.5 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP67

**Compliance with standards and directives**

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

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