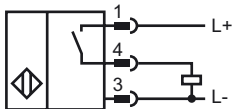
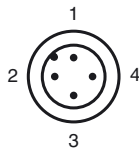


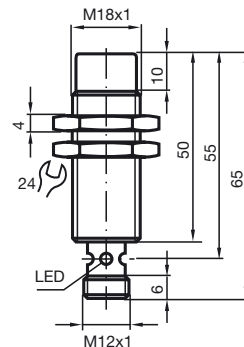
**Model Number**

NBN10-18GM50-E2-V1

**Connection****Pinout**

Wire colors in accordance with EN 60947-5-2

1	BN
2	WH
3	BU
4	BK

**Dimensions****Technical Data****General specifications**

Switching element function	PNP Make function
Rated operating distance	$s_n$ 10 mm
Installation	not embeddable
Assured operating distance	$s_a$ 0 ... 8.1 mm
Reduction factor $r_{Al}$	0.3
Reduction factor $r_{Cu}$	0.3
Reduction factor $r_{V2A}$	0.7

**Nominal ratings**

Operating voltage	$U_B$ 10 ... 30 V
Switching frequency	$f$ 0 ... 800 Hz
Reverse polarity protection	protected against reverse polarity
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
Indication of the switching state	Multihole-LED, yellow

**Standard conformity**

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

Ambient temperature	-20 ... 50 °C (253 ... 323 K)
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**Mechanical specifications**

Connection type	V1-connector
Housing material	brass, nickel-plated
Sensing face	PBT
Protection degree	IP67