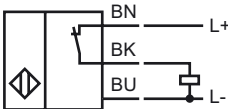
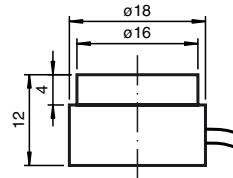
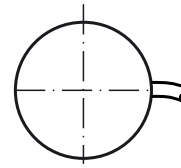




CE

**Model Number**

NBN8-18K12-E3

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

Switching element function		PNP	NC
Rated operating distance	$s_n$	8 mm	
Installation		not embeddable	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 4.05 mm	
Reduction factor $r_{Al}$		0.4	
Reduction factor $r_{Cu}$		0.3	
Reduction factor $r_{V2A}$		0.7	
Reduction factor $r_{St37}$		1	

**Nominal ratings**

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 500 Hz
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 100 mA
Off-state current	$I_r$	0 ... 0.5 mA typ. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_0$	$\leq 13$ mA

**Ambient conditions**

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

Connection type	cable PVC , 2 m
Core cross-section	0.14 mm <sup>2</sup>
Housing material	PA 6.6
Sensing face	PA 6.6
Protection degree	IP67

**Compliance with standards and directives**

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