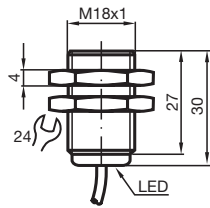


# Inductive proximity switches

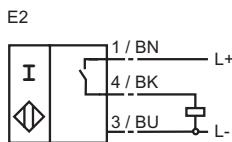
NBB8-18GM30-E2

Basic series with elevated  
switching distance  
8 mm embeddable



Switching element function	PNP	Make function
Rated operating distance $s_n$	8 mm	
Installation	embeddable	
Assured operating distance $s_a$	0 ... 6,48 mm	
Reduction factor $r_{AI}$	0,45	
Reduction factor $r_{Cu}$	0,4	
Reduction factor $r_{V2A}$	0,7	
Operating voltage $U_B$	10 ... 30 V	
Switching frequency $f$	0 ... 500 Hz	
Hysteresis $H$	typ. 5 %	
Reverse polarity protection	yes	
Short circuit protection	pulsing	
Voltage drop $U_d$	$\leq 3$ V	
Rated insulation voltage $U_{BIS}$	50 V	
Operating current $I_L$	0 ... 100 mA	
Off-state current $I_r$	0 ... 0,5 mA typ.	
No-load supply current $I_0$	$\leq 15$ mA	
Indication of the switching state	LED, yellow	
Standards	EN 60947-5-2	
Ambient temperature	-25 ... 70 °C (248 ... 343 K)	
Connection type	2 m, PVC cable	
Core cross-section	0.34 mm <sup>2</sup>	
Housing material	brass, nickel-plated	
Sensing face	PBT	
Protection degree	IP67	
Protection class	II	

### Connection\_type:



T2308\_ENG.xml

2003-03-21

www.pepperl-fuchs.com

PEPPERL+FUCHS GmbH