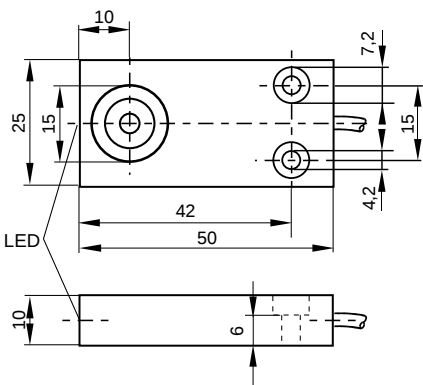


Inductive proximity switches

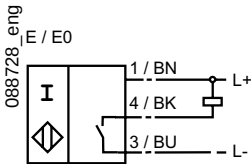
NBB5-F33M-E0

Basic series
5 mm embeddable
Metal housing



Switching element function	NPN	Make function
Rated operating distance s_n	5 mm	
Installation	embeddable	
Assured operating distance s_a	0 ... 4.05 mm	
Reduction factor r_{AI}	0.3	
Reduction factor r_{Cu}	0.2	
Reduction factor r_{V2A}	0.6	
Hysteresis H	typ. 5 %	
Operating voltage U_B	10 ... 30 V	
Switching frequency f	0 ... 500 Hz	
Polarity reversal protected	yes	
Short circuit protection	pulsing	
Voltage drop U_d	≤ 3 V	
Operating current I_L	0 ... 200 mA	
Off-state current I_r	0 ... 0.5 mA typ.	
No-load supply current I_0	≤ 15 mA	
Indication of the switching state	LED	
Standard conformity	EN 60947-5-2	
Ambient temperature	-25 ... 70 °C (248 ... 343 K)	
Connection type	2 m, PVC-cable	
Core cross-section	0.34 mm ²	
Housing material	metal	
Sensing face	PBT	
Protection degree	IP67	

Connection type:



26.03.2002