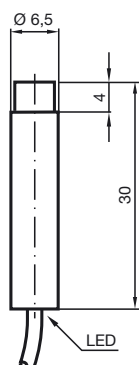


Basic series
2 mm embeddable
increased operating distance



General specifications	
Switching element function	NPN Make function
Rated operating distance s_n	3 mm
Installation	not embeddable
Output polarity	DC
Assured operating distance s_a	0 ... 2.43 mm
Reduction factor r_{Al}	0.45
Reduction factor r_{Cu}	0.4
Reduction factor r_{V2A}	0.75
Nominal ratings	
Operating voltage U_B	10 ... 30 V
Switching frequency f	0 ... 2000 Hz
Hysteresis H	typ. 5%
Reverse polarity protection	protected against reverse polarity
Short-circuit protection	pulsing
Voltage drop U_d	≤ 3 V
Operating current I_L	0 ... 100 mA
Off-state current I_r	0 ... 0.5 mA typ. 0.1 μ A at 25 °C
No-load supply current I_0	≤ 15 mA
Indication of the switching state	LED, yellow
Standard conformity	
Standards	IEC / EN 60947-5-2:2004
Ambient conditions	
Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Mechanical specifications	
Connection type	2 m, PVC cable
Core cross-section	0.14 mm ²
Housing material	brass, nickel-plated
Sensing face	PBT
Protection degree	IP67

Connection type:

E / E0

