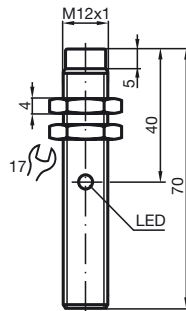


Basic series  
4 mm not embeddable



General specifications	
Switching element function	NPN Antivalent
Rated operating distance $s_n$	4 mm
Installation	not embeddable
Assured operating distance $s_a$	0 ... 3,24 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 ... 1000 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	LED, yellow
Standard conformity	
Standards	EN 60947-5-2
Ambient conditions	
Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Mechanical specifications	
Connection type	V1-connector
Housing material	brass, nickel-plated
Sensing face	PBT
Protection degree	IP67

**Connection type:**

