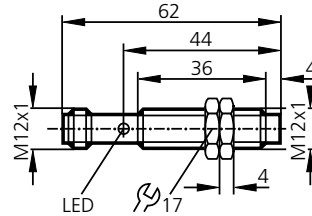


IF5811

IFK3007BBPKG/US

Metal thread M12 x 1
Plug and socket

Sensing range 7mm [nf]
non-flush mountable
Increased sensing range



Electrical Design Output

Operating voltage	[V]
Current rating (continuous)	[mA]
Current rating (peak)	[mA]
Minimum load current	[mA]
Short circuit protection	
Reverse polarity / overload protection	
Voltage drop	[V]
Leakage current	[mA]
Current consumption	[mA]
Switching frequency	[Hz]

Real sensing range S_r	[mm]
Operating distance	[mm]
Switch-point drift	[% of S_r]
Hysteresis	[% of S_r]
Correction factors	

Output status indication	
Operating temperature	[°C]
Protection	
EMC	
Housing material	
Connection	
Wiring	

3-wire DC PNP normally open

Operating voltage	10 ... 36 DC
Current rating (continuous)	200
Current rating (peak)	—
Minimum load current	—
Short circuit protection	•
Reverse polarity / overload protection	•
Voltage drop	< 2.5
Leakage current	—
Current consumption	< 15 (24 V)
Switching frequency	800

Real sensing range S_r	$4 \pm 10\%$
Operating distance	0 ... 3.25
Switch-point drift	-10 ... +10
Hysteresis	1 ... 15
Correction factors	steel = 1; stainless steel approx. 0.7; Ms approx. 0.4; Al approx. 0.3; Cu approx. 0.2

Output status indication	LED yellow
Operating temperature	-25 ... +70
Protection	IP 67
EMC	prEN 60947-5-2 annex X; EN 55011 class B
Housing material	special coated brass; PES
Connection	M12 connector

