

# efector100



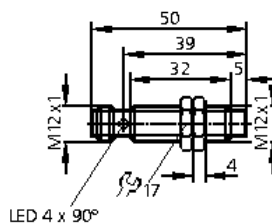
Inductive proximity switches

## IFC205

IFB3007-BPKG/M/US  
Metal thread M12 x 1  
Plug and socket

Increased sensing range  
gold-plated contacts

Sensing range 7mm [nf]  
non-flush mountable



### Electrical design

#### Output

Operating voltage [V]

Current rating [mA]

Short-circuit protection

Reverse polarity protection

Overload protection

Voltage drop [V]

Current consumption [mA]

Real sensing range [mm]

Operating distance [mm]

Switch-point drift [% / Sr]

Hysteresis [% / Sr]

Switching frequency [Hz]

Correction factors

Operating temperature [°C]

Protection

EMC

Housing material

Function display

Switching status LED

Connection

Wiring

DC PNP

normally open

10...36 DC

100

pulsed

yes

yes

< 2.5

< 10 (24 V)

7 ± 10 %

0...5.7

-10...10

3...15

700

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 /  
Cu approx. 0.3

-25...70

IP 68 \*) ☐

IEC 1000-4-2 / EN 61000-4-2: 4 kV / CD / 8 kV AD

IEC 1000-4-3 / EN 61000-4-3: 10 V/m, 80...1000 MHz

IEC 1000-4-4 / EN 61000-4-4: 2 kV

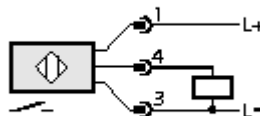
IEC 1000-4-6 / EN 61000-4-6: 10 V / 0.15...80 MHz

EN 55011: class B

brass special coated; active face: LCP

yellow (4 x 90°)

M12 connector; gold-plated contacts



Remarks

Accessories (included)

ifm electronic gmbh · Teichstraße 4 · D-45127  
Essen

\*) "Coolant"

2 lock nuts

— We reserve the right to make technical alterations without prior notice. — GB - IFC205 — 06.03.2003