

# efector100



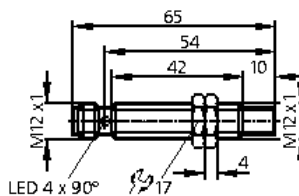
Inductive proximity switches

## IFW201

IFK3008-BPKG/K1/SC/M/US  
Metal thread M12 x 1  
Plug and socket

Electromagnetic-field immune  
Increased sensing range  
gold-plated contacts  
Correction factor = 1

Sensing range 8mm [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...30 DC

200

pulsed

yes

yes

&lt; 2.5

&lt; 20

8 ± 10 %

0...6.5

-10...10

3...15

4000

mild steel = 1 / stainless steel approx. 1 / brass approx. 1 / Al approx. 1 / Cu approx. 1

-25...70

IP 67

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

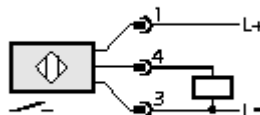
EN 55011:

class B

housing: brass safe-coated; active face: Duroplast (PF)

yellow (4 x 90°)

M12 connector; gold-plated contacts



Remarks

Accessories (included)

efm electronic gmbh · Teichstraße 4 · D-45127  
Essen

cULus - Class 2 source required

2 lock nuts

— We reserve the right to make technical alterations without prior notice. — GB - IFW201 — 10.12.2003