

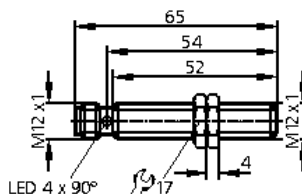
Inductive proximity switches

IFW200

IFK3003BBPKG/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 3mm [f]
flush mountable

**Electrical design****Output****DC PNP**

normally open

Operating voltage [V]

10...30 DC

Current rating [mA]

200

Short-circuit protection

pulsed

Reverse polarity protection

yes

Overload protection

yes

Voltage drop [V]

< 2.5

Current consumption [mA]

< 20

Real sensing range [mm]

3 ± 10 %

Operating distance [mm]

0...2.4

Switch-point drift [% / Sr]

-10...10

Hysteresis [% / Sr]

3...15

Switching frequency [Hz]

4000

Correction factors

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

Operating temperature [°C]

-25...70

Protection

IP 67

EMC

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 material

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

Function display

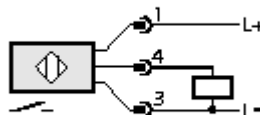
Switching status LED

yellow (4 x 90°)

Connection

M12 connector; gold-plated contacts

Wiring



Remarks

cULus - Class 2 source required

Accessories (included)

2 lock nuts

ifm electronic gmbh · Teichstraße 4 · D-45127 Essen

— We reserve the right to make technical alterations without prior notice. — GB - IFW200 — 10.12.2003