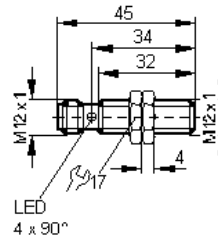



**IFS206**

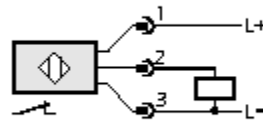
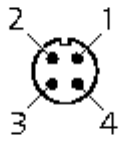
IFB3004BAPKG/M/US  
Metal thread M12 x 1  
Quick disconnect

Increased sensing range  
gold-plated contacts

Sensing range 4mm [f]  
flush mountable



Electrical design	DC PNP
Output	normally closed
Operating voltage [V]	10...36 DC
Current rating [mA]	100
Short-circuit protection	Yes (non-latching)
Reverse polarity protection	yes
overload protection	yes
Voltage drop [V]	< 2.5
Current consumption [mA]	< 10 (24 V)
Real sensing range [mm]	4 ± 10 %
Operating distance [mm]	0...3.25
Switch-point drift [% / Sr]	-10...10
Hysteresis [% / Sr]	3...15
Switching frequency [Hz]	700
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
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	brass special coated active face: PBT
Function display Switching status LED	yellow (4 x 90°)
Connection	M12 connector, gold-plated contacts
Wiring	



---

**Accessories (included)**

efector, inc., 805 Springdale Dr., Exton, PA 19341

---

**2 lock nuts**

— We reserve the right to make technical alterations without prior notice. — US - IFS206 — 06.03.2003