

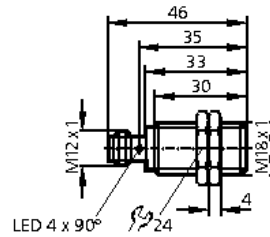
Inductive sensors

IGC204

IGB3008BBPKG/M/US
Inductive sensor
Metal thread M18 x 1
Plug and socket

Increased sensing range
gold-plated contacts

Sensing range 8mm [f]
flush mountable



Electrical design

DC PNP

Output

normally open

Operating voltage [V]

10...36 DC

Current rating [mA]

100

Short-circuit protection

pulsed

Reverse polarity protection

yes

Overload protection

yes

Voltage drop [V]

< 2.5

Current consumption [mA]

< 10

Real sensing range [mm]

8 ± 10 %

Operating distance [mm]

0...6.5

Switch-point drift [% / Sr]

-10...10

Hysteresis [% / Sr]

3...15

Switching frequency [Hz]

400


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 68 *) 

EMC

EN 61000-4-2 ESD: 4 kV CD / 8 kV AD
EN 61000-4-3 HF radiated: 10 V/m (80...1000 MHz)
EN 61000-4-4 Burst: 2 kV
EN 61000-4-6 HF conducted: 10 V (0.15...80 MHz)
EN 55011: class B

Housing material

housing: brass special coated; active face: LCP

Function display

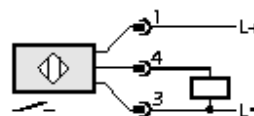
Switching status LED

yellow (4 x 90°)

Connection

M12 connector; gold-plated contacts

Wiring



Remarks

*) "Coolant"

Accessories (included)

2 lock nuts