

## INDUSTRIAL COMPONENT DATA

# ICB12L50F02PC CARLO GAVAZZI Selected parameters OUTPUT FUNCTION NC MOUNTING Flush HOUSING M12 SENSING RANGE ..

Brand: CARLO GAVAZZI | Manufacturer Part Number: ICB12L50F02PC



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | CARLO GAVAZZI              |
| MPN / Reference | ICB12L50F02PC              |
| Catalog number  | 10000                      |
| Category        | Inductive proximity switch |
| Minimum order   | 1 Pcs                      |
| Document ID     | EO-14382424AE              |
| Generated       | 2026-08-01                 |

## Product Overview

Selected parameters OUTPUT FUNCTION NC MOUNTING Flush HOUSING M12 SENSING RANGE up to 2 mm OUTPUT DC PNP CONNECTION Cable WIRE 3-wire MATERIAL Metal SYSTEM Proximity Sensor Others HOUSING M12 x 66 mm MATERIAL Nichel Plated Brass SENSING RANGE 2 mm OUTPUT FUNCTION Normally Closed

Inductive M12 standard reach long box, cable 2 m, flush mount, detection 2 mm, PNP NC

Inductive proximity sensor, M12 Nickel-Plated Brass, 2m cable, Sn 2mm, Flush mount, Long body, PNP NC output, Supply voltage 10-36Vdc, Max output current 200 mA, Max switching frequency 2 kHz, Operating temperature -25C - +70C, IP67

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path CARLO GAVAZZI &gt; Sensors &gt; Inductive and Loop Detector

## Additional Product Information

## Specifications

Rated operating distance2 mmInstallation typeFlushDiameterM12Output typePNPOutput functionNormally Closed (NC)Connection typeCableHousing typeCylindrical, threaded barrelHousing materialMetalRated power supply10 V ... 36 V ETIM for ICB12L50F02PC Sensors (EC002714)

Feature Name

Feature Value

Width sensor (EF007094)

0 mm

Height of sensor (EF007283)  
0 mm

Length of sensor (EF007334)  
66.8 mm

Diameter sensor (EF007111)  
12 mm

Mechanical mounting condition for sensor (EF004041)  
Concise

Switching distance (EF003647)  
2 mm

Suitable for safety functions (EF001597)  
No

Type of switch function (EF003963)  
Breaker contact

Type of switching output (EF003962)  
PNP

Type of electric connection (EF003961)  
Cable

Number of semiconductor outputs with signalling function (EF003945)  
1

Number of contact energized outputs with signalling function (EF003946)  
0

Number of protected semiconductor outputs (EF003951)  
0

Number of protected contact energized outputs (EF003952)  
0

Type of actuation (EF006949)  
Metallic Target

Type of interface (EF006977)  
None

Type of interface for safety communication (EF003956)  
None

Construction type housing (EF004008)  
Cylinder, screw-thread

Coating housing (EF001601)  
Nickel-plated

Cascadable (EF000507)  
No

SIL according to IEC 61508 (EF009889)  
None

Performance level according to EN ISO 13849-1 (EF007399)  
None

Max. output current at protected output (EF004035)  
200 mA

Supply voltage (EF004127)  
10 V

Rated control supply voltage AC 50 Hz (EF003978)

0 V

Rated control sup...

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

Send CARLO GAVAZZI / ICB12L50F02PC with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

**GLOBAL OFFICES**

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