

## INDUSTRIAL COMPONENT DATA

# ICB12L50F04NCM1 CARLO GAVAZZI Selected parameters OUTPUT FUNCTION NC MOUNTING Flush HOUSING M12 SENSING RANG..

Brand: CARLO GAVAZZI | Manufacturer Part Number: ICB12L50F04NCM1



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | CARLO GAVAZZI              |
| MPN / Reference | ICB12L50F04NCM1            |
| Catalog number  | 10000                      |
| Category        | Inductive proximity switch |
| Minimum order   | 1 Pcs                      |
| Document ID     | EO-759A5D583C              |
| Generated       | 2026-08-04                 |

## Product Overview

Selected parameters OUTPUT FUNCTION NC MOUNTING Flush HOUSING M12 SENSING RANGE >2 to 4 mm OUTPUT DC NPN CONNECTION Plug WIRE 3-wire MATERIAL Metal SYSTEM Proximity Sensor Others HOUSING M12 x 70 mm MATERIAL Nichel Plated Brass SENSING RANGE 4 mm OUTPUT FUNCTION Normally Closed Inductive M12 extended reach long box, M12 connector, flush mount, 4mm detection, NPN NC Inductive proximity sensor, M12 Nickel-Plated Brass, M12 plug, Sn 4mm, Flush mount, Long body, NPN 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 distance4 mmInstallation typeFlushDiameterM12Output typeNPNOutput functionNormally Closed (NC)Connection typeConnector M12Housing typeCylindrical, threaded barrelHousing materialMetalRated power supply10 V ... 36 V

ETIM for ICB12L50F04NCM1 Sensors (EC002714)

Feature Name

Feature Value

Width sensor (EF007094)

0 mm  
Height of sensor (EF007283)  
0 mm  
Length of sensor (EF007334)  
70.2 mm  
Diameter sensor (EF007111)  
12 mm  
Mechanical mounting condition for sensor (EF004041)  
Concise  
Switching distance (EF003647)  
4 mm  
Suitable for safety functions (EF001597)  
No  
Type of switch function (EF003963)  
Breaker contact  
Type of switching output (EF003962)  
NPN  
Type of electric connection (EF003961)  
Connector M12  
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...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send CARLO GAVAZZI / ICB12L50F04NCM1 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

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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