

INDUSTRIAL COMPONENT DATA

ICB12L50N04NCM1 CARLO GAVAZZI Selected parameters OUTPUT FUNCTION NC MOUNTING Non Flush HOUSING M12 SENSING ..

Brand: CARLO GAVAZZI | Manufacturer Part Number: ICB12L50N04NCM1



Manufacturer	CARLO GAVAZZI
MPN / Reference	ICB12L50N04NCM1
Catalog number	10000
Category	Inductive proximity switch
Minimum order	1 Pcs
Document ID	EO-1088C4323D
Generated	2026-08-04

Product Overview

Selected parameters OUTPUT FUNCTION NC MOUNTING Non 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
75 mm MATERIAL Nichel Plated Brass SENSING RANGE 4 mm OUTPUT FUNCTION Normally Closed
Inductive M12 standard scope long box M12 connector, non-flush mounting, detection 4mm, NPN NC
Inductive proximity sensor, M12 Nickel-Plated Brass, M12 plug, Sn 4mm, Non-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 > Sensors > Inductive and Loop Detector
--------------	---

Additional Product Information

Specifications

Rated operating distance4 mmInstallation typeNon-flushDiameterM12Output typeNPNOutput functionNormally Closed
(NC)Connection typeConnector M12Housing typeCylindrical, threaded barrelHousing materialMetalRated power supply10 V
... 36 V

ETIM for ICB12L50N04NCM1 Sensors (EC002714)

Feature Name

Feature Value

Width sensor (EF007094)
0 mm

Height of sensor (EF007283)
0 mm

Length of sensor (EF007334)
74.2 mm

Diameter sensor (EF007111)
12 mm

Mechanical mounting condition for sensor (EF004041)
Not flat

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...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send CARLO GAVAZZI / ICB12L50N04NCM1 with the required quantity to info@electricaonline.com or use 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.