

## INDUSTRIAL COMPONENT DATA

# ICB12S23N08M1NC CARLO GAVAZZI Inductive M12 extended reach extra short box, M12 connector, Non-recessed, det..

Brand: CARLO GAVAZZI | Manufacturer Part Number: ICB12S23N08M1NC



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | CARLO GAVAZZI              |
| MPN / Reference | ICB12S23N08M1NC            |
| Catalog number  | 10000                      |
| Category        | Inductive proximity switch |
| Minimum order   | 1 Pcs                      |
| Document ID     | EO-D3CD89472E              |
| Generated       | 2026-08-06                 |

## Product Overview

Inductive M12 extended reach extra short box, M12 connector, Non-recessed, detection 8 mm, NPN NC  
Inductive M12 extended range box, extra short, connector M12, Non-flush, sensing, 8 mm, NPN, NC  
Inductive proximity sensor, M12 Nickel-Plated Brass, M12 plug, Sn 8mm, Non-Flush mount, Extra-short body, NPN NC  
output, Supply voltage 10-36Vdc, Max output current 200 mA, Max switching frequency 2 kHz, Operating temperature -25C  
- +80C, 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 distance8 mmInstallation typeNon-flushDiameterM12Output typeNPNOutput functionNormally Closed (NC)Connection typeConnector M12Housing typeCylindrical, threaded barrelHousing materialMetalRated power supply10 V ... 36 V

ETIM for ICB12S23N08M1NC Sensors (EC002714)

Feature Name

Feature Value

Width sensor (EF007094)

0 mm

Height of sensor (EF007283)

0 mm

Length of sensor (EF007334)  
44 mm

Diameter sensor (EF007111)  
12 mm

Mechanical mounting condition for sensor (EF004041)  
Not flat

Switching distance (EF003647)  
8 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 / ICB12S23N08M1NC 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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