

## INDUSTRIAL COMPONENT DATA

# ICS08L45N40A2IO CARLO GAVAZZI Inductive Sensor, 3 wire DC, Metric 8, IO-Link Communication

Brand: CARLO GAVAZZI | Manufacturer Part Number: ICS08L45N40A2IO



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | CARLO GAVAZZI              |
| MPN / Reference | ICS08L45N40A2IO            |
| Catalog number  | 10000                      |
| Category        | Inductive proximity switch |
| Minimum order   | 1 Pcs                      |
| Document ID     | EO-662DF2A28E              |
| Generated       | 2026-08-02                 |

## Product Overview

Inductive Sensor, 3 wire DC, Metric 8, IO-Link Communication

Inductive proximity sensor, M8 Stainless steel, 2m cable, Sn 4mm, Non-Flush mount, Long body, NPN/PNP/Push-pull, NO/NC, Supply voltage 10-30Vdc, Max output current 100 mA, Max switching frequency 2 kHz, Operating temperature -25C - +80C, IP67, IO-Link

## 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-flushDiameterM8Output typePNP/NPNOutput functionProgrammable/configurableConnection typeCableHousing typeCylindrical, threaded barrelHousing materialMetalRated power supply10 V ... 30 V

ETIM for ICS08L45N40A2IO Sensors (EC002714)

Feature Name

Feature Value

Length of sensor (EF007334)

49 mm

Diameter sensor (EF007111)

8 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)

Programmable/configurable

Type of switching output (EF003962)

PNP/NPN

Type of electric connection (EF003961)

Cable

Number of semiconductor outputs with signalling function (EF003945)

1

Number of protected semiconductor outputs (EF003951)

1

Type of actuation (EF006949)

Metallic Target

Type of interface (EF006977)

Other

Type of interface for safety communication (EF003956)

None

Construction type housing (EF004008)

Cylinder, screw-thread

Coating housing (EF001601)

Other

Cascadable (EF000507)

No

Max. output current at protected output (EF004035)

100 mA

Supply voltage (EF004127)

10 V

Rated control supply voltage DC (EF003980)

10 V

Voltage type (EF000187)

DC

Switching frequency (EF003587)

2000 Hz

Housing material (EF001596)

Metal

Compression-resistant (EF007106)

No

Interference resistance to magnetic fields (EF008275)

Immune against magnetic DC- and AC-field

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send CARLO GAVAZZI / ICS08L45N40A2IO 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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