

INDUSTRIAL COMPONENT DATA

ICS08L45F20A2IO CARLO GAVAZZI Inductive Sensor, 3 wire DC, Metric 8, IO-Link Communication

Brand: CARLO GAVAZZI | Manufacturer Part Number: ICS08L45F20A2IO



Manufacturer	CARLO GAVAZZI
MPN / Reference	ICS08L45F20A2IO
Catalog number	10000
Category	Inductive proximity switch
Minimum order	1 Pcs
Document ID	EO-6FEDFAF8C5
Generated	2026-08-04

Product Overview

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

Inductive proximity sensor, M8 Stainless steel, 2m cable, Sn 2mm, 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 distance2 mmInstallation typeFlushDiameterM8Output typePNP/NPNOutput functionProgrammable/configurableConnection typeCableHousing typeCylindrical, threaded barrelHousing materialMetalRated power supply10 V ... 30 V

ETIM for ICS08L45F20A2IO Sensors (EC002714)

Feature Name

Feature Value

Length of sensor (EF007334)

46 mm

Diameter sensor (EF007111)

8 mm

Mechanical mounting condition for sensor (EF004041)

Concise
Switching distance (EF003647)
2 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 / ICS08L45F20A2IO 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.