

INDUSTRIAL COMPONENT DATA

IA12ESN04UCM1 CARLO GAVAZZI Selected parameters MOUNTING Non Flush HOUSING M12 SENSING RANGE 2 to 4 mm OUTPU..

Brand: CARLO GAVAZZI | Manufacturer Part Number: IA12ESN04UCM1



Manufacturer	CARLO GAVAZZI
MPN / Reference	IA12ESN04UCM1
Catalog number	10000
Category	Inductive proximity switch
Minimum order	1 Pcs
Document ID	EO-C471F79572
Generated	2026-08-06

Product Overview

Selected parameters MOUNTING Non Flush HOUSING M12 SENSING RANGE >2 to 4 mm OUTPUT Namur
CONNECTION M12 WIRE 2-wire MATERIAL Metal SYSTEM Proximity Sensor Others HOUSING M12 x 63 mm
MATERIAL Stainless steel SENSING RANGE 4 mm

Inductive namur M12, M12 connector, non-flush mounting, sensing distance 4 mm, short box type

Inductive proximity sensor, M12 Stainless steel, M12 plug, Sn 4mm, Non-flush mount, Short body, Namur NC, Supply
voltage 7-9Vdc, Max output current 9,35 mA, Max switching frequency 1200Hz, 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 typeFlushDiameterM12Output typeNamurOutput functionNormally Closed
(NC)Connection typePlug-in connectionHousing typeCylindrical, threaded barrelHousing materialMetalRated power supply7
V ... 9 V

ETIM for IA12ESN04UCM1 Sensors (EC002714)

Feature Name

Feature Value

Length of sensor (EF007334)

30 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)
NAMUR
Type of electric connection (EF003961)
Plug-in connection
Number of protected semiconductor outputs (EF003951)
1
Type of actuation (EF006949)
Metallic Target
Construction type housing (EF004008)
Cylinder, screw-thread
Cascadable (EF000507)
No
Max. output current at protected output (EF004035)
9.35 mA
Supply voltage (EF004127)
7 V
Rated control supply voltage DC (EF003980)
7 V
Voltage type (EF000187)
DC
Switching frequency (EF003587)
1200 Hz
With monitoring function downstream switching devices (EF004052)
No
Housing material (EF001596)
Metal
Compression-resistant (EF007106)
No

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send CARLO GAVAZZI / IA12ESN04UCM1 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.