

INDUSTRIAL COMPONENT DATA

IA12ESF02UC CARLO GAVAZZI Selected parameters

MOUNTING Flush HOUSING M12 SENSING RANGE 2 to 4 mm

OUTPUT Namu..

Brand: CARLO GAVAZZI | Manufacturer Part Number: IA12ESF02UC



Manufacturer	CARLO GAVAZZI
MPN / Reference	IA12ESF02UC
Catalog number	10000
Category	Inductive proximity switch
Minimum order	1 Pcs
Document ID	EO-83D4FCA225
Generated	2026-08-05

Product Overview

Selected parameters MOUNTING Flush HOUSING M12 SENSING RANGE >2 to 4 mm OUTPUT Namur CONNECTION Cable WIRE 2-wire MATERIAL Metal SYSTEM Proximity Sensor Others HOUSING M12 x 30 mm MATERIAL Stainless steel SENSING RANGE 2 mm

Inductive namur M12, cable 2 m, flush mount, sensing distance 2 mm, short box type

Inductive proximity sensor, M12 Stainless steel, 2m cable, Sn 2mm, Flush mount, Short body, Namur NC, Supply voltage 7-9Vdc, Max output current 9,35 mA, Max switching frequency 1400Hz, 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 distance2 mmInstallation typeFlushDiameterM12Output typeNamurOutput functionNormally Closed (NC)Connection typeCableHousing typeCylindrical, threaded barrelHousing materialMetalRated power supply7 V ... 9 V ETIM for IA12ESF02UC 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)
2 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)
Cable
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)
1400 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 / IA12ESF02UC 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.