

INDUSTRIAL COMPONENT DATA

UA18ESD03NPM1TI CARLO GAVAZZI System: Sensor, Housing: M18, Sensing range: 0,2 to 1 m, Connection: M12 plug ..

Brand: CARLO GAVAZZI | Manufacturer Part Number: UA18ESD03NPM1TI



Manufacturer	CARLO GAVAZZI
MPN / Reference	UA18ESD03NPM1TI
Catalog number	10000
Category	Ultrasonic proximity switch
Minimum order	1 Pcs
Document ID	EO-0448464F5C
Generated	2026-08-05

Product Overview

System: Sensor, Housing: M18, Sensing range: >0,2 to 1 m, Connection: M12 plug DC, Output: DC NPN, Material:

Stainless Steel, Housing: M18 x 46,4 mm, Sensing range: 0,3 m, Material: AISI 316L (DIN 1.4404)

Ultrasound with direct detection, NPN digital output, Sensing distance 40 to 300 mm.

Ultrasonic sensor, Diffuse reflective, M18 stainless steel, M12 plug, Sn 40-300mm, NPN Output, Supply voltage 10-30Vdc, Current output 100mA, Operating temperature -20C - +60C, Switching frequency 8Hz, IP67, Teach-in

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 > Conductive Level
--------------	--

Additional Product Information

Specifications

Rated operating distance40 mm ... 300 mmBlind zone40 mmDiameter18 mmAnalogue outputOtherOutput typeNPNOutput functionConfigurableConnection typeM12 connectorHousing materialStainless steelRated power supply10 V ... 30 VDegree of protectionIP67

ETIM for UA18ESD03NPM1TI Sensors (EC001849)

Feature Name

Feature Value

Type of analogy output (EF003958)

Other

Type of electric connection (EF003961)

Connector M12

Type of switching output (EF003962)

NPN

Type of switch function (EF003963)

Programmable/configurable

Blind zone (EF003986)

40 mm

Length of sensor (EF007334)

60.4 mm

Diameter sensor (EF007111)

18 mm

Adjustable distance (EF008209)

40 mm

Setting procedure (EF003994)

Teach-In

Measuring range length (EF008213)

40 mm

Construction type housing (EF004008)

Cylinder, screw-thread

Standard for interfaces (EF004017)

Other

No-load current (EF004028)

35 mA

Relative linearity deflection (EF004034)

1 %

Max. output current (EF001315)

100 mA

Ambient temperature (EF002386)

-20 °C

Supply voltage (EF004127)

10 V

Relative repeat accuracy (EF004100)

0.5 %

Switching frequency (EF003587)

8 Hz

Voltage type (EF000187)

DC

Synchronisation possible (EF004117)

No

Material active area of sensor (EF004133)

Glass

Housing material (EF001596)

Stainless steel

Material of cable sheath (EF004136)

Other

AWG-number (EF007010)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send CARLO GAVAZZI / UA18ESD03NPM1TI 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.