

INDUSTRIAL COMPONENT DATA

AM1/CP-3H MICRO DETECTORS Inductive sensor M12 shielded NC/PNP plug M12

Brand: MICRO DETECTORS | Manufacturer Part Number: AM1/CP-3H



Manufacturer	MICRO DETECTORS
MPN / Reference	AM1/CP-3H
Catalog number	AM1/CP-3H
Category	Encoders
Minimum order	1 unit
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Product Overview

AM1/CP-3H MICRO DETECTORS Inductive sensor M12 shielded NC/PNP plug M12

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path MICRO DETECTORS > Encoders

Additional Product Information

Technical features

Nominal sensing distance 4mm

Operating distance 0...3,2mm

Standard target 12x12mm FE360

Correction Factor copper: 0,33 / aluminium: 0,4 / brass: 0,5 / stainless steel: 1,05

Thermal drift of Sr < 10%

Repeat Accuracy 5% (UB 24V Ta=23°C ±5°C)

Hysteresis 1 ... 20%

Outputs

Output type PNP

Output Function NC

Switching frequency 2kHz

Electrical data

Operating Voltage 10 - 30Vdc

No-Load supply current ≤ 10mA

Load current $\leq 200\text{mA}$
Leakage current $\leq 10\mu\text{A}$
Output voltage drop $\leq 1,8\text{V}$ @200mA
Max ripple content $\leq 10\%$
LED indicators Yellow LED output state
Time delay before availability 50ms
Short-circuit protection Yes (auto-reset)
Reverse Polarity Protection Yes
Protection against inductive loads Yes
Mechanical data
Dimensions M12 x 1 / L= 64,8mm
Mounting Shielded
Weight 30g
Housing Material Nickel-plated brass
Connections M12 Plug
Active Head Material PBT
Tightening torque 10Nm
Operating temperature $-25^{\circ}\text{C} \dots +70^{\circ}\text{C}$
Test/Approvals
Approvals CEUR
EMC compatibility IEC 60947-5-2
Shocks and vibrations Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection IP 67 (EN60529)
Accessories
Supplied Accessories 2 nuts M12x1
Electrical diagrams of the connections
Connector
Dimension (mm)
Installation
Response curves
Disassamento Parallelo

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send MICRO DETECTORS / AM1/CP-3H with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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