

INDUSTRIAL COMPONENT DATA

AB1/AP-3A MICRO DETECTORS Inductive sensor M4 Sensing distance 1 mm NO/PNP cable 2m axial

Brand: MICRO DETECTORS | Manufacturer Part Number: AB1/AP-3A



Manufacturer	MICRO DETECTORS
MPN / Reference	AB1/AP-3A
Catalog number	AB1/AP-3A
Category	Encoders
Minimum order	1 unit
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Product Overview

AB1/AP-3A MICRO DETECTORS Inductive sensor M4 Sensing distance 1 mm NO/PNP cable 2m axial

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
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Additional Product Information

Technical details

Detection properties

Detection distance rated 1mm

Working distance 0...0.81 mm

Obstacle reference 4x4mm FE360

Correction factor copper: $0,3 \pm 10\%$ / aluminium: $0,22 \pm 10\%$ / brass: $0,32 \pm 10\%$ / STAINLESS steel: $0,57 \pm 10\%$

Temperature drift < 10%

Repeatability 5% (UB 24V Ta=23°C $\pm 5^{\circ}\text{C}$)

Hysteresis 1 ... 20%

Outputs

Output type PNP

Output function NO

Switching frequency 3.5 kHz

Electrical data

Supply voltage 10 - 30Vdc

Vacuum adsorption 10mA
Load current $\leq 100\text{mA}$
Leakage current $\leq 10\mu\text{A}$
The fall of the output voltage $\leq 1.5\text{ V @}100\text{mA}$
Maximum residual ripple $\leq 10\%$
LED indicators Yellow LED output status
Delay to the availability $\leq 50\text{ms}$
Protection, short-circuit You
Reverse polarity protection You
Protection for inductive loads You
Mechanical data
Size M4 x 0.5 / L = 22mm
Mounting Shielded
Weight 30g
Body material STAINLESS steel AISI303
Connections Cable PUR 2m
Material active part PBT
Tightening torque 1.5 Nm
Operating temperature $-25^{\circ}\text{C} \dots +70^{\circ}\text{C}$
Test/Certifications
Certifications CEUL
Electromagnetic compatibility IEC 60947-5-2
Shock and vibration Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of Protection IP 67 (EN60529)
Accessories
Accessories included 2 nuts M4x0,5
Electrical diagrams of the connections
Dimensions (mm)
Mounting
Response curves
Offset Parallel

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send MICRO DETECTORS / AB1/AP-3A 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

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