

INDUSTRIAL COMPONENT DATA

BX80A/1P-0H9K MICRO DETECTORS Area sensor Receiver 2m 10ms plug M12

Brand: MICRO DETECTORS | Manufacturer Part Number: BX80A/1P-0H9K



Manufacturer	MICRO DETECTORS
MPN / Reference	BX80A/1P-0H9K
Catalog number	BX80A/1P-0H9K
Category	Encoders
Minimum order	1 unit
Document ID	EO-1BA2A4182D
Generated	2026-08-01

Product Overview

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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 0...2m

Thermal drift of Sr <=10%

Beams space 6mm

controlled height 70mm

minimum detectable object Ø6mm

number of rays 12

Application

Function Principle Receiver

Outputs

Output type PNP

Output Function NO/NC selectable

Electrical data

Operating Voltage 12-24Vcc

No-Load supply current 50mA

Load current $\leq 100\text{mA}$
Leakage current $10\mu\text{A}$
Output voltage drop $\leq 1.2\text{V}$ $I_L = 100\text{ mA}$
Max ripple content $\leq 10\%$
LED indicators green (supply), red (alignment), yellow (output state)
Time delay before availability 500ms
Short-circuit protection Yes (auto reset)
Reverse Polarity Protection Yes
Emission Infrared (880 nm)
Interference to external light 1.500 lux max. (incandescent lamp), 4.500 lux max. (sunlight)
Impulsive Overvoltage Protection Yes
Mechanical data
Dimensions 44mm x 120mm x 20mm
Weight 260 ... 300g
Housing Material PBT
Connections M12 male connector
Active Head Material PC
Tightening torque 25Nm
Operating temperature $-25^{\circ}\text{C} \dots +50^{\circ}\text{C}$ (without freeze)
Storage temperature $-40^{\circ}\text{C} \dots +80^{\circ}\text{C}$
Test/Approvals
Approvals CE
EMC compatibility IEC 60947-5-2
Shocks and vibrations IEC EN 60947-5-2
Degree of protection IP69K
Electrical diagrams of the connections
Connector
Dimension (mm)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send MICRO DETECTORS / BX80A/1P-0H9K 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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