

IWRM 18U9501

Industrial automation components

Manufacturer	Baumer
Catalog number	iwrn-18u9501
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.15 kgs
Measuring Distance Range	2 to 5 mm
Reference Distance	3.25 to 3.75 mm
Voltage Supply Range	15 to 30 VDC
Output Signal	1 to 9 VDC
Housing Material	Brass nickel-plated
Housing Dimensions	18 mm diameter x 65 mm length
Cable Length	2 meters m
Operating Temperature Range	0 to 60 °C
Protection Class	IP 67

Description

The Baumer IWRM 18U9501 is an inductive distance measuring sensor designed for precise proximity detection in industrial automation applications. This sensor features a flush mounting type, allowing for seamless integration into machinery. It offers a measuring distance range of 2 to 5 mm, with a reference distance between 3.25 and 3.75 mm, ensuring accurate distance measurements. The sensor operates with a voltage supply range of 15 to 30 VDC and provides a voltage output signal ranging from 1 to 9 VDC, suitable for various control systems. Its cylindrical threaded housing, made of brass nickel-plated material, measures 18 mm in diameter and 65 mm in length, ensuring durability and resistance to harsh industrial environments. The sensor is equipped with a 2-meter cable for flexible installation. Designed to operate in temperatures ranging from 0 to 60 °C, it boasts an IP 67 protection class, making it suitable for use in demanding conditions. The Baumer IWRM 18U9501 is ideal for applications requiring precise distance measurement and reliable performance in industrial settings.