1092014

Industrial automation components

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Manufacturer	Sick
Catalog number	1092014
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Absolute Encoder
Brand	SICK
Part Number	1092014
Shaft Diameter	6 mm
Resolution	4,096 steps per revolution steps/rev
Napięcie zasilania	18 to 30 V DC
Communication Interface	IO-Link V1.1
Enclosure Rating	IP65
Operating Temperature Range	-20°C to +70°C

Description

The SICK AHM36B-S3QC012x12 (part number 1092014) is an absolute encoder from the AHS/AHM36 series, designed for precise position and speed measurement in industrial automation applications. This encoder features a solid 6 mm shaft and offers a maximum resolution of 4,096 steps per revolution, providing high accuracy in rotational measurements. It operates with a supply voltage range of 18 to 30 V DC and communicates via the IO-Link V1.1 interface, enabling efficient data exchange and integration into modern automation systems. The encoder is housed in a compact 36 mm x 43 mm enclosure with an IP65 protection rating, ensuring reliable performance in various industrial environments. Its operating temperature range spans from -20°C to +70°C, accommodating diverse operational conditions. The AHM36B-S3QC012x12 is ideal for applications requiring precise rotational position feedback, such as robotics, conveyor systems, and automated machinery.

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