1037526

Industrial automation components

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Manufacturer	Sick
Catalog number	1037526
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Sick Part Number	1037526
Sick Series	DFS60
Mechanical Interface	Solid shaft, 6 mm diameter
Supply Voltage	4.5 to 5.5 V
Output Signal	TTL and RS-422
Pulses per Revolution	2,000
Enclosure Rating	IP65/IP67

Description

The SICK DFS60E-S1AA02000 is an incremental rotary encoder designed for precise position and speed measurement in industrial automation applications. Manufactured by SICK, a leading provider of industrial sensors, this encoder features a solid shaft with a 6 mm diameter, ensuring robust mechanical performance. It operates within a supply voltage range of 4.5 to 5.5 V and offers both TTL and RS-422 output signals, providing flexibility for various system integrations. With a maximum of 2,000 pulses per revolution, it delivers high-resolution feedback suitable for demanding applications. The encoder is housed in a compact 60 mm diameter casing, with an installation depth of 50.1 mm, facilitating easy integration into space-constrained environments. Its enclosure rating of IP65/IP67 ensures reliable operation in harsh industrial conditions, protecting against dust and water ingress. The DFS60E-S1AA02000 is ideal for applications requiring precise rotational feedback, such as in factory automation, material handling, and packaging machinery.

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