ATM60-A4A0-S12

Industrial automation components

Add to quote

Ask about this product



Manufacturer	Sick
Catalog number	atm60-a4a0-s12
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Supply Voltage	10 to 32 V DC
Maximum Operating Speed	6,000 rpm
Housing Material	Aluminum die-cast
Protection Rating	IP67 with shaft seal
Operating Temperature Range	-20°C to +85°C

Description

The Sick ATM60-A4A0-S12 is a high-precision absolute encoder designed for demanding industrial applications. Manufactured by Sick, a leader in sensor technology, this encoder offers exceptional performance and reliability. Key features include a solid shaft with a 10 mm diameter and a 19 mm length, ensuring robust mechanical integration. The encoder operates within a supply voltage range of 10 to 32 V DC and consumes a maximum of 0.8 W without load, making it energy-efficient. It boasts a maximum operating speed of 6,000 revolutions per minute (rpm) and a maximum angular acceleration of 500,000 rad/s², suitable for high-speed and dynamic applications. The housing is constructed from durable aluminum die-cast, providing IP67 protection when equipped with a shaft seal, ensuring resistance to dust and water ingress. The operating temperature range spans from -20°C to +85°C, allowing for versatile deployment in various environments. The encoder's mechanical interface features a solid shaft and face mount flange, facilitating easy installation and maintenance. With a bearing lifetime of 3.6 x 10^9 revolutions, it offers long-term reliability. The encoder is also designed to withstand shocks up to 100 g and vibrations from 10 Hz to 2,000 Hz, adhering to EN 60068-2-27 and EN 60068-2-6 standards, respectively. These attributes make the Sick ATM60-A4A0-S12 encoder an excellent choice for applications requiring precise position feedback and durability in challenging industrial settings.

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

Generated on demand. The PDF file is not stored on the server.