

SICK AFM60A-S4NB018x12 SICK Instruments AFS AFM60 Ethernet Absolute Encoders

Our Product Introduction

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Basic Information

- Place of Origin: Germany
- Brand Name: SICK
- Model Number: AFM60A-S4NB018x12
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: carton
- Delivery Time: Negotiable
- Payment Terms: T/T
- Supply Ability: 100pcs per month



Product Specification

- Rror Limits G: 0.03° 1)
- Encoder Profile: V4.1 Class3
- Transmission Medium: CAT-5e Cable
- Initialization Time: 6 S
- Cycle Time: ≤ 1 Ms
- Shaft Diameter: 10 Mm
- Shaft Length: 19 Mm
- Weigh: 0.2 Kg
- Highlight: AFS SICK Instruments,
AFM60 SICK Instruments,
sick afm60a s4ib018x12sick afm60a s4ib018x12



More Images



Product Description

SICK AFM60A-S4NB018x12 | AFS/AFM60 Ethernet, ABSOLUTE ENCODERS

Features

Connection type	Male connector, Female connector, 1x, 2x, M12, M12, 4-pin, 4-pin, axial, axial 1) 2)
Supply voltage	10 ... 30 V
Power consumption	≤ 3 W (without load)
Reverse polarity protection	✓
MTTFd: mean time to dangerous failure	80 years (EN ISO 13849-1) 3)

1) A-coded.

2) D-coded.

3) This product is a standard product and does not constitute a safety component as defined in the Machinery Directive. Calculation based on nominal load of components, average ambient temperature 40°C, frequency of use 8760 h/a. All electronic failures are considered hazardous. For more information, see document no.

8015532.

Mechanical data

Mechanical design	Solid shaft, face mount flange
Shaft diameter	10 mm
Shaft length	19 mm
Weight	0.2 kg
Shaft material	Stainless steel
Flange material	Aluminum
Housing material	Aluminum
Start up torque	0.5 Ncm (+20 °C)
Operating torque	0.3 Ncm (+20 °C)
Permissible shaft loading	80 N (radial) 40 N (axial)
Operating speed	≤ 9,000 min ⁻¹ 1)
Moment of inertia of the rotor	6.2 gcm ²
Bearing lifetime	3 x 10 ⁹ revolutions
Angular acceleration	≤ 500,000 rad/s ²

1) Allow for self-heating of 3.3 K per 1,000 rpm when designing the operating temperature range.

