

0.75kW Universal Bus Servo Drive

This 0.75kW universal bus servo drive delivers precise motor control for industrial automation applications. It supports EtherCAT communication and adapts to various mechanical structures.



ADDITIONAL IMAGES



Overview

• iK3 CANOpen in non-standard tapping



- iK3-400W 4 sets
- iK3-1.5KW 6 sets
- M series 23 Bit motor



- 8-station tapping
- K1 AS15 servo drive
- Precise tapping of the engine casing



- Fast tapping, no bad teeth
- Motor waterproof, high servo stability



The servo system demonstrating high stability and precision in an 8-station tapping configuration.

High-Performance Universal Bus Servo Drive

This 0.75kW universal bus servo drive is engineered for high-precision motion control, featuring industry-leading frequency responses in both current and speed loops. With support for standard EtherCAT and CANopen protocols, it ensures seamless integration into complex automation environments. Built with a three-proof paint process and international safety standards like STO, this drive offers both robust durability and reliable operation in demanding industrial applications.

Performance Metrics

Key Performance Metrics

2.5 kHz

Current Loop Freq. Response

1.6 kHz

Speed Loop Freq. Response

0.1 us

Bus Sync Accuracy

16 bit

Current Sampling Accuracy

Technical Specifications

Electrical Ratings

Parameter	Specification
Power Rating	0.75kW
Rated Current	5.5A
Main Power Supply	220V AC (-15~+10%, 50/60Hz)
Encoder Feedback	ABZ Incremental / Absolute

Communication Protocols

EtherCAT, CANopen

Environmental Conditions

Operating Environment

- Working temperature: 0~45°C
- Storage temperature: -20~65°C
- Humidity: 20~85%RH (non-condensing)
- Vibration: 5.8m/s² (10~60Hz)
- Altitude: Below 1000m

Safety & Features

Advanced Protection

SS1/SS2/SBC Safety • Active Resonance Suppression • End Jitter Suppression • Friction Compensation • Groove Torque Compensation