

2.2kW Universal Bus Servo Drive

This 2.2kW universal bus servo drive offers high performance and great adaptability. It uses EtherCAT communication protocol and provides functions such as active resonance suppression, end jitter suppression and compensation.



ADDITIONAL IMAGES



Product 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



Precision motion control setup for 8-station industrial tapping applications.

High-Performance Universal Bus Servo Drive

This 2.2kW servo drive is engineered for precision motion control in demanding industrial environments. It features advanced bus synchronization accuracy of less than 0.1us and a high-frequency response current loop exceeding 2.5 kHz. With built-in support for EtherCAT communication and robust safety functions like SS1, SS2, and SBC, this drive ensures seamless integration and reliable operation in complex mechanical systems.

Technical Specifications

Performance Metrics

2.5 kHz

Current Loop Frequency

1.6 kHz

Speed Loop Frequency

0.1 us

Bus Sync Accuracy

Advanced Control Capabilities

Active Resonance Suppression, End Jitter Suppression, Friction Compensation, Groove Torque Compensation, Weak Magnetic Observation

Electrical Ratings

Power Supply Requirements

- Main Power: 220V Single-phase/three-phase AC (-15% to +10%, 50-60Hz)
- Control Power: 220V Single-phase AC (-15% to +10%, 50-60Hz)

Environmental Requirements

Operational Conditions

Parameter	Range/Value
Operating Temperature	0 to 45°C
Operating Humidity	20-85% RH (non-condensing)
Altitude	< 1000m
Vibration Resistance	5.8 m/s ²

Communication & Connectivity

Bus Protocols

EtherCAT • CANopen

Safety & Compliance

Integrated Safety Features

SS1, SS2, SBC, Three-proof Paint Coating