

# 3kW Universal Bus Servo Drive

This 3kW servo drive supports universal bus communication for seamless integration. It offers high performance with EtherCAT protocol and adaptability for various mechanical structures.



## ADDITIONAL IMAGES



## Overview

### • iK3 CANOpen in non-standard tapping



- iK3-400W 4 sets
- iK3-1.5KW 6 sets
- M series Z3 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



Demonstration of high-performance servo stability in multi-axis automation applications.

## High-Performance Universal Bus Servo Drive

This 3kW universal bus servo drive is engineered for precision motion control in demanding industrial environments. It features advanced control algorithms, including a speed loop frequency response exceeding 1.6 kHz and a current loop frequency response over 2.5 kHz, ensuring superior operational stability. With built-in EtherCAT communication and robust safety protocols like SS1, SS2, and SBC, this drive offers both high-speed performance and reliable integration for complex mechanical systems.

## Technical Metrics

### Key Performance Metrics

**3 kW**

Rated Power

**16 A**

Rated Current

**2.5 kHz**

Current Loop Frequency Response

**1.6 kHz**

Speed Loop Frequency Response

### Control & Accuracy

- Bus synchronization accuracy < 0.1us
- 23-bit absolute encoder support
- 16-bit current sampling accuracy
- Advanced jitter and resonance suppression
- Kalman observation algorithm

## Connectivity & Protocol

### Communication Protocols

EtherCAT, CANopen

## Safety & Environment

### Safety Standards

SS1 • SS2 • SBC

### Operating Conditions

Parameter	Value
Operating Temperature	0 to 45°C
Storage Temperature	-20 to 65°C
Humidity	20-85% RH (Non-condensing)
Max Altitude	1000m