

# XtrapulsEasy™ AC servo-drive



## Functions

Compact AC servo-drive  
CANopen® DS301, DS402

## Power range

230 VAC : 17 Arms max

## Interfaces

RS-232, CANopen®  
Digital and analog I/Os

## Sensors

Resolver  
Encoders: incremental, Hall effect  
Sensorless mode

## Safety

Integrated Safe Torque Off function

## Tools

Project manager  
Commissioning wizard  
Multi-axis configuration and diagnostic

# XtrapulsEasy™, AC servo-controller

The 230 VAC servo-drive XtrapulsEasy™ is a performing, compact and easy-to-use drive. Thanks to its cost-effectiveness and its optimized functions, it is extremely useful and practical for applications where price is a determining factor.

## Electrical specifications

Drive type	Easy-ak-230 / 17
Peak current [Arms]	17.0
Rated current [Arms]	5.0
Input voltage	1x230 VAC <sup>1</sup> /320 VDC

<sup>1</sup>Integrated EMC filter

## Control loops

- Digital drive for synchronous AC motors
- Current loop 62.5 μs
- Speed and position loop 500 μs
- Speed, position and torque loop
- Max. speed: 25'000 rpm

## Feedbacks

- Resolver
- Incremental encoder
- Hall effect sensor
- Sensorless mode

## Communication interfaces

- RS-232 up to 115.2 kbit/s baud rate
- CANopen® fieldbus

## I/O interfaces

- 4 configurable digital inputs
- 2 configurable digital outputs
- 1 configurable analog input

## Safety features

- Safe Torque Off SIL1

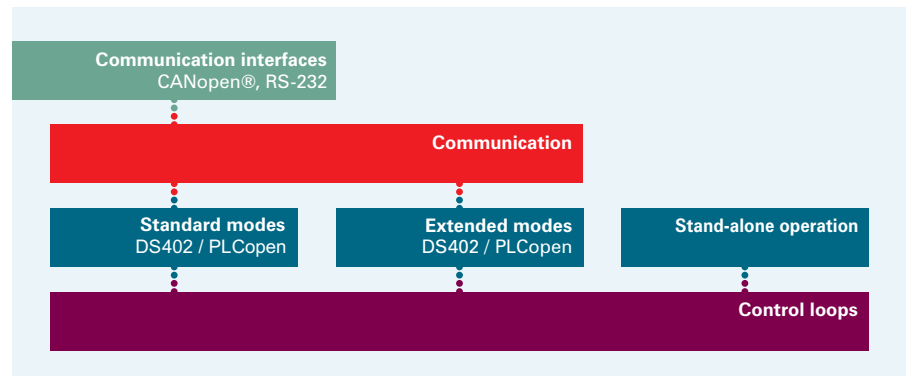
## Accessories

- COM-Easy adapter for RS-232 / CANopen® connection

## Certifications



## Functional architecture



## Operation modes

### DS402 standard modes

- Interpolated position
- Position profile
- Velocity profile
- Torque profile
- Homing

### DS402 extended modes

- Sequences
- Analog speed mode
- Analog torque mode

### Stand-alone operation

- Sequences
- Analog speed mode
- Analog torque mode

## Multi-axis tool box

### Configuration tools

- Motor and drive configuration
- Application configuration
- Interface configuration
- Auto-tuning
- Auto-phasing

### Project tools

- Project creation
- Project management
- File management
- Motor library
- Multilingual software

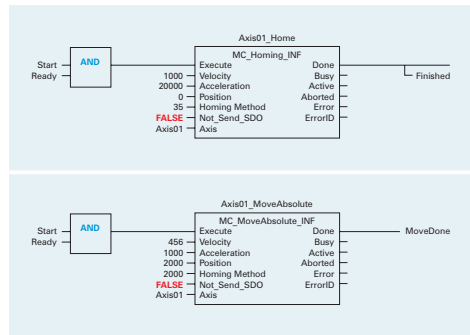
### Diagnostic tools

- Device control
- Monitoring
- Object dialog window
- Multi-axis oscilloscope

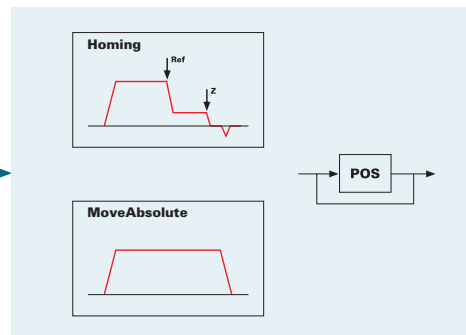
The XtrapulsEasy™ servo-drive can be easily integrated into an automation system consisting of a programmable PLC, a CNC or a motion controller. The CANopen® bus allows using the standard DS402 functions available in the drive libraries. It can also be configured as an analog speed drive. Such flexibility makes this drive suitable for lots of machines and applications.

## DS402 / PLCopen example

PLC

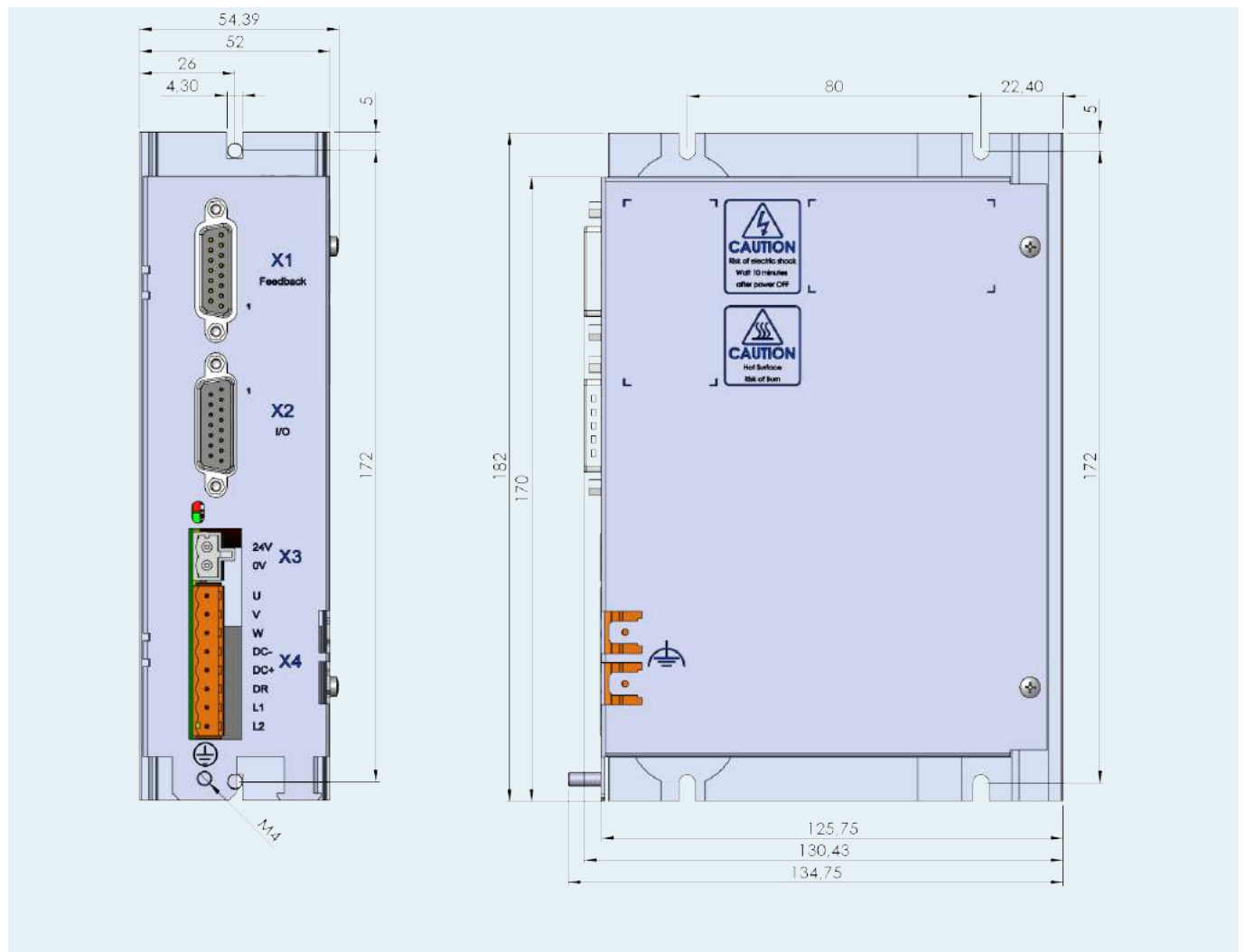


Drive



CANopen®

## Dimensions [mm]



# Infranor® Product Range

## Drives

### Standard drives



### Customized drives



### Drive applications



## Motors

### Standard motors



### Customized motors



### Motor applications

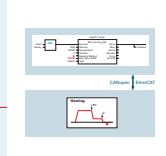


## Services

### Standard services



### User-specific services



### Global solutions

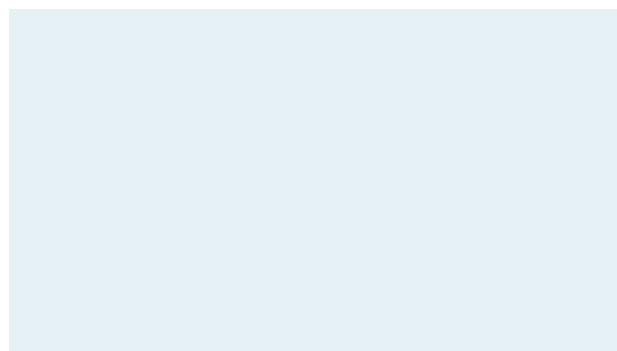


## Infranor Group

Infranor creates added value for its customers by providing tailor-made motion solutions.

Based on strong working relationships, Infranor offers extensive market know-how, comprehensive engineering skills and a wide range of high-quality products leading to productivity gains and therefore to comparative advantages for its customers in their respective markets.

## Contact



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