

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 ¹ /320 VDC

¹Integrated 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

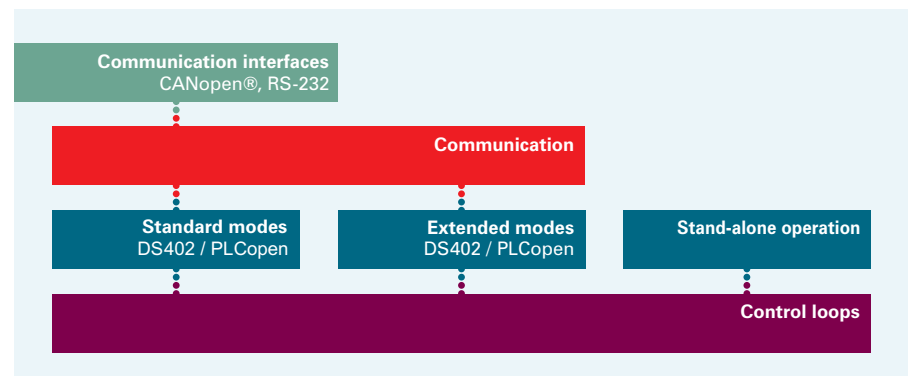
Accessories

- 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

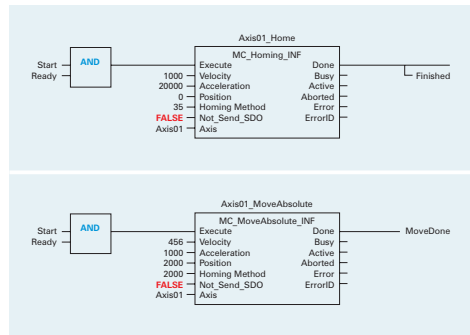
Diagnostic tools

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

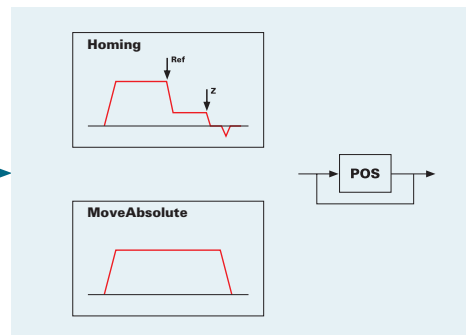
The XtrapulsEasy™ servo-drive can be easily integrated into an automation system consisting of a programmable PLC, a CNC or a motion controller. The CANopen® bus allows using the standard DS402 functions available in the drive libraries. It can also be configured as an analog speed drive. Such flexibility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

DS402 / PLCopen example

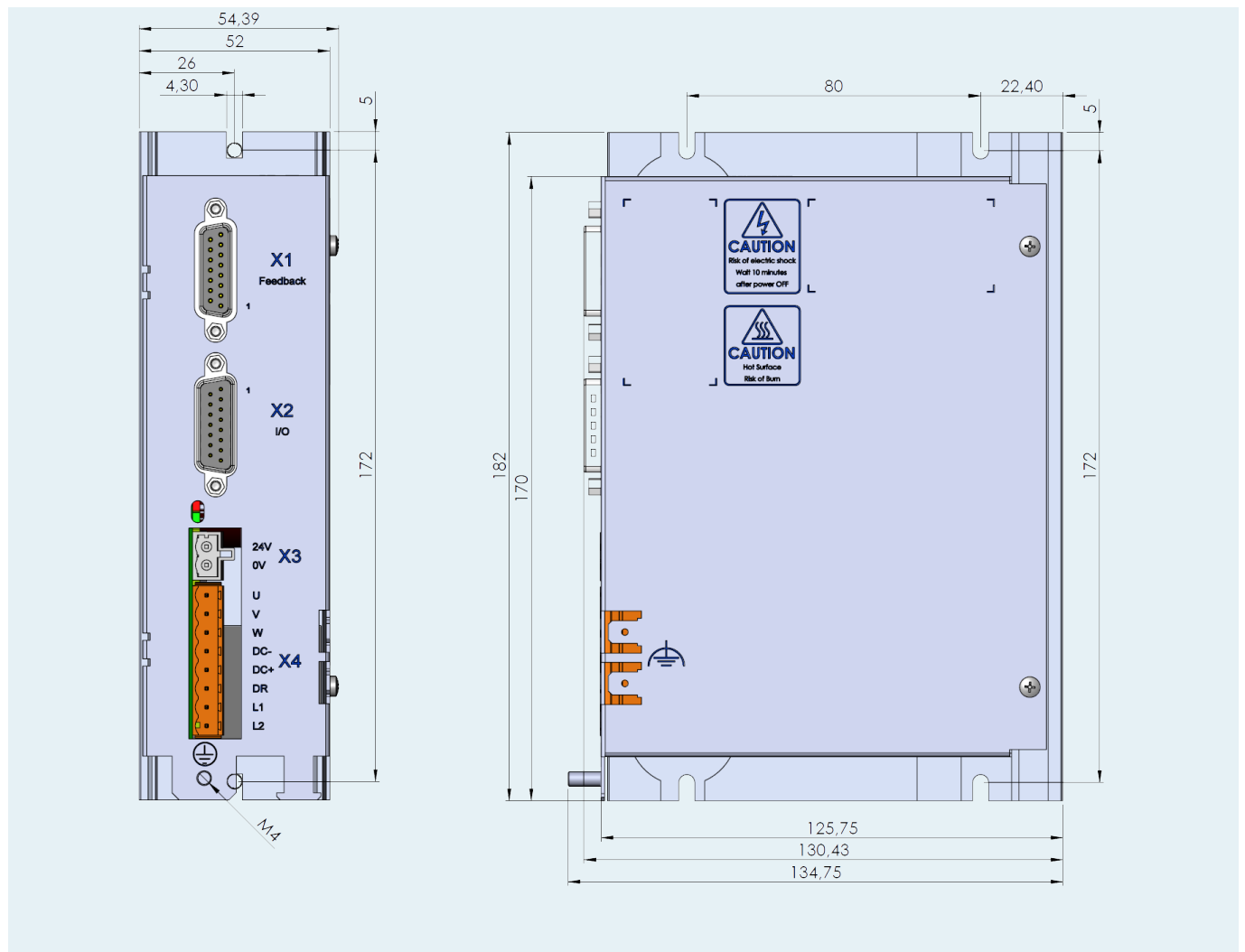
PLC



Drive



Dimensions [mm]



Infranor® Product Range

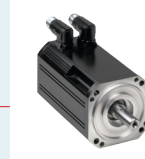
Drives

Standard drives



Motors

Standard motors



Services

Standard services



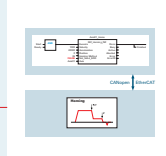
Customized drives



Customized motors



User-specific services



Drive applications



Motor applications



Global solutions

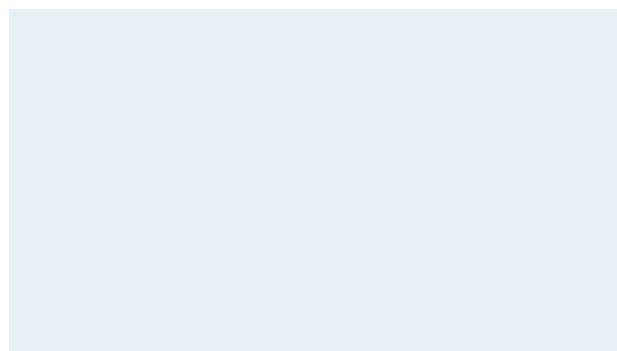


Infranor Group

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.

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