INFRANOR®

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

[1]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
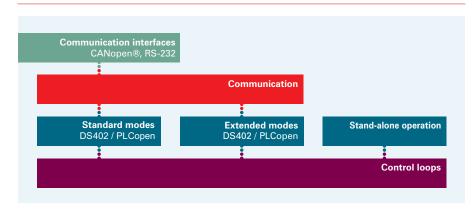
– Safe Torque Off SIL1

Accessories

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

Certifications

CE
Made in France

Functional architecture

Communication interfaces
CANopen®, RS-232

Communication

Standard modes
DS402 / PLCopen

Extended modes
DS402 / PLCopen

Stand-alone operation

Control loops

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
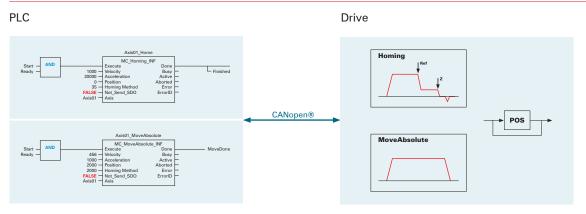– Auto-tuning
– Auto-phasing

Project tools
– Project creation
– Project management
– File management
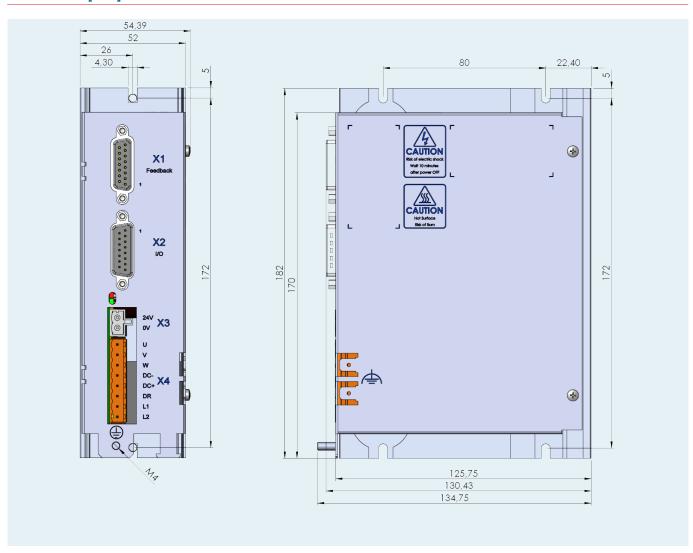– Motor library
– Multilingual software

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

Customized drives

Drive applications

Motors

Standard motors

Customized motors

Motor applications

Services

Standard services

User-specific services

Global solutions

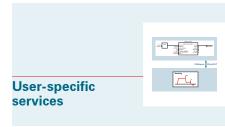## Infranor Group

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.

Infranor worldwide

Benelux
China
France
Germany
Italy
Spain
Switzerland
United Kingdom
USA

Other representations:
Austria, Denmark, India, Israel, Poland, Slovenia, Turkey.

Contact

NORDIC SERVO
YOUR PARTNER IN AUTOMATION

Nordic Servo AB
Grustagsvägen 8
S-138 40 Älta, Sweden
Office: +46 8 86 87 80
E-mail: sales@nordicservo.com

www.infranor.com