

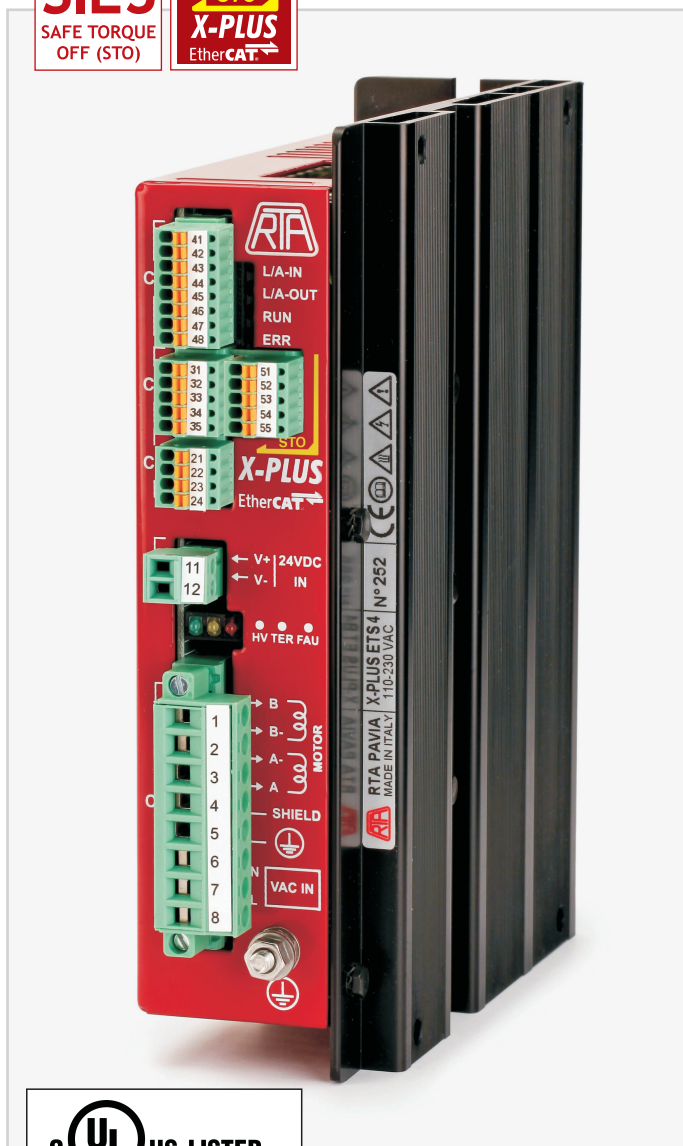
# X-PLUS ET S4 Series Drives

## INTRODUCTION

- New series of stepping motor drives with EtherCAT interface, direct input from the main AC power supply (from 110 V<sub>AC</sub> to 230 V<sub>AC</sub>) and STO function.
- Optimized for coupling with SANYO DENKI stepping motors, fitted with encoder.
- Possibility to be connected directly from the main (from 110 V<sub>AC</sub> to 230 V<sub>AC</sub>), saving on transformer use.
- High performance in terms of power and able to further increase the application potential.
- UL/CSA certified.

## HIGHLIGHTS

- STO [SIL3] function.
- Error Detection Monitor.
- Communication by means of EtherCAT interface.
- Modes of operation: PROFILE POSITION and CSP.
- Full digital microstepping drive.
- Wide range of SANYO DENKI stepping motors to be coupled with: holding torque up to 9,2 Nm and flange size up to 86 mm.
- Extremely compact size.
- A highly sophisticated operation system, preserving anyhow the traditional ease of use of R.T.A. drives.



## STO FUNCTION FEATURES

- Safe Torque Off (STO) function - **SIL3**
- Error Detection Monitor



Series	Model	V <sub>AC</sub> range (Volt)	I nom. (Amp)	Dimensions (mm)
X-PLUS ET	S4	110 to 230 +/- 15%	4.0	169x129x46

## TECHNICAL FEATURES

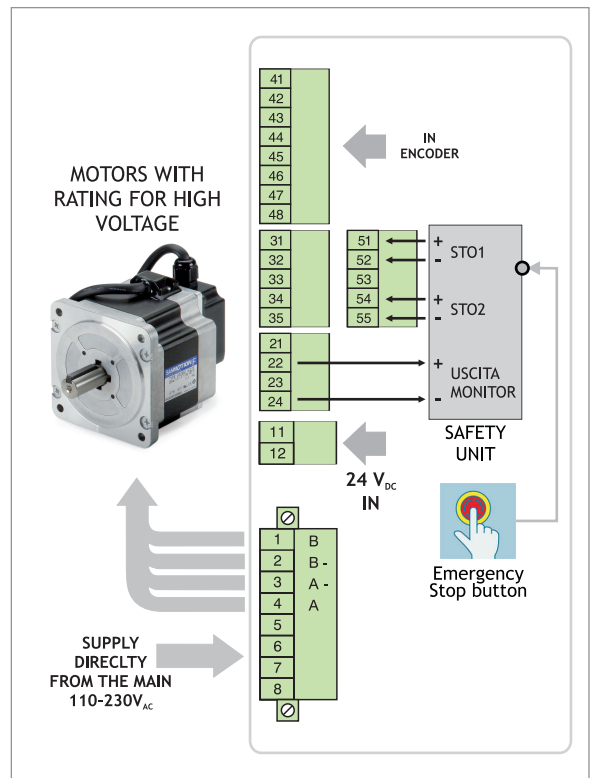
- Possibility to switch off motor current by means of STO function.
- Range of operating voltages: 110-230 V<sub>AC</sub>.
- Protections:
  - Protection against under-voltage and over-voltage.
  - Protection against a short-circuit at motor outputs.
  - Overtemperature protection.
- Electronic damping facility for further acoustic noise and mechanic vibrations reduction.
- Available in boxed version with plug-in connectors. Maximum compactness.
- Optoinsulated auxiliary and programmable inputs and outputs.
- External fans not needed.
- UL/CSA certified.
- Warranty: 24 months.

## SETTING BY MEANS OF EtherCAT<sup>®</sup> INTERFACE

- Wide range of motor phase current setting.
- Motor current overboost .
- Intelligent management of the current profile.
- Communication by means of EtherCAT (CoE) interface.
- Modes of operation: PROFILE POSITION and CSP.
- Different variety of HOMING operation modes.
- Encoder feedback.



## POWER AND LOGIC CONNECTIONS

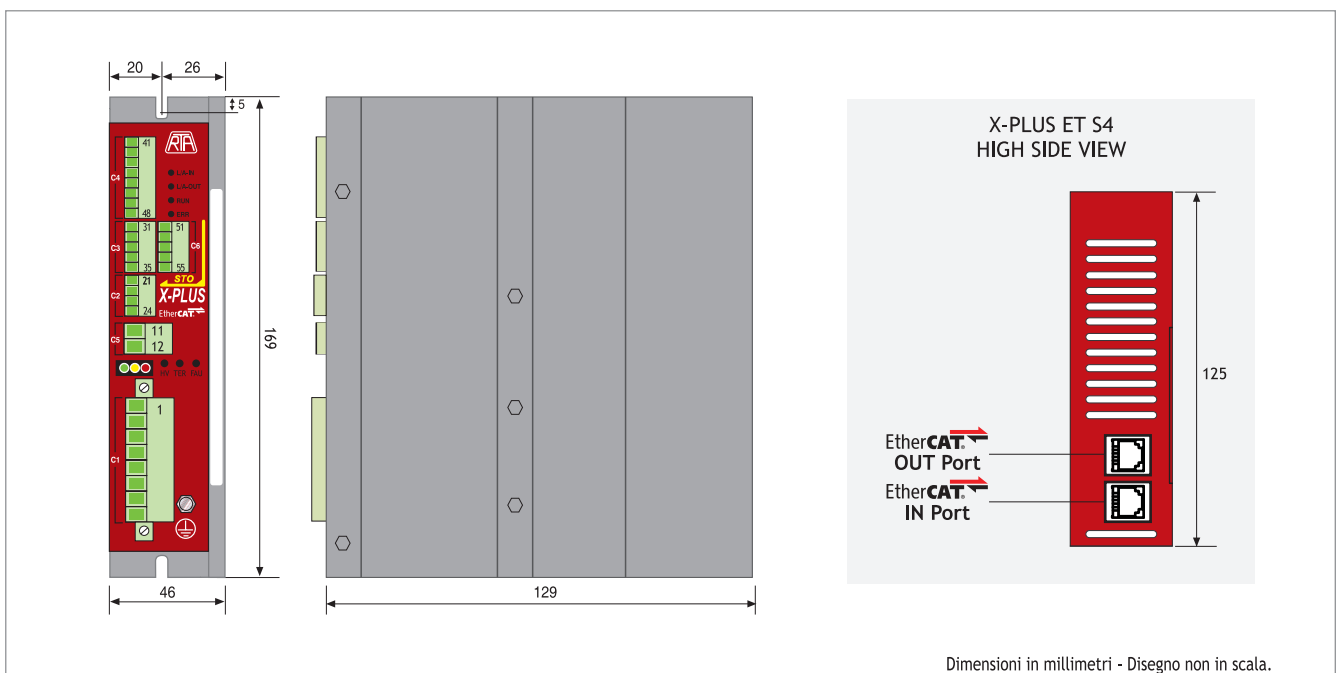


## STO FUNCTION FEATURES

- Safe Torque Off (STO) function [SIL3]
- Error Detection Monitor



## MECHANICAL DIMENSIONS



Dimensioni in millimetri - Disegno non in scala.



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