

# X-PLUS ET S4 Series Drives

## EtherCAT®

3rd  
FIRMWARE  
GENERATION

### INTRODUCTION

- New series of stepping motor drives with EtherCAT interface, direct input from the main AC power supply (from 110 VAC to 230 VAC) and STO function.
- Drives optimized for coupling with SANYO DENKI stepping motors, fitted with encoder, but also able to manage third parts motors.
- High performance in terms of power and able to further increase the application potential.
- Compact system, developed to offer a wide variety of integrated functions and optimized for the most demanding motion control applications.

### MAIN EtherCAT® FEATURES

- Modes of operation: PP, PV, Homing, CSP and CSV.
- Wide range of motor phase current setting and motor current overboost (120%).
- Different variety of HOMING operation modes.
- Encoder feedback and support of different resolution.
- Touch Probe function available.
- Limit switches management.
- 4 + 3 I/Os and 2 STO.
- Auto-sync function available featuring a closed loop positioning.

Please refer to [download.rta.it](http://download.rta.it) for technical specifications

**SIL3**  
SAFE TORQUE  
OFF (STO)

**STO**  
**X-PLUS**  
EtherCAT®



### STO FUNCTION FEATURES

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

**SIL3**  
SAFE TORQUE  
OFF (STO)

Series	Model	V <sub>AC</sub> range (Volt)	I nom. (Amp)	Digital In/Out	STO In	Dimensions (mm)
X-PLUS ET	S4	110 to 230 +/- 15%	4.0	4/3	2	169x129x46

## TECHNICAL FEATURES

- Possibility to switch off motor current by means of STO function.
- Range of operating voltage 110-230 VAC.
- 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.

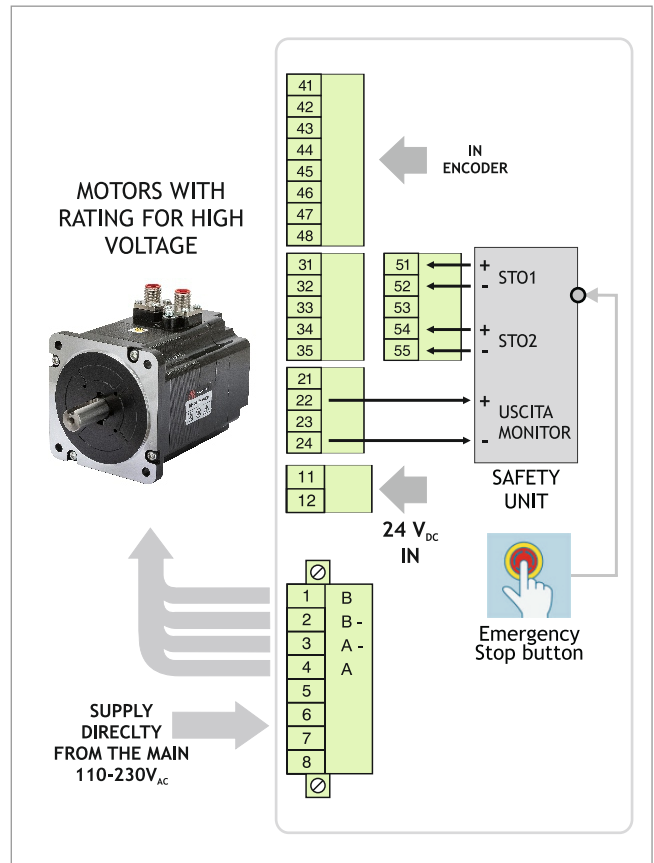
**EtherCAT**



SCAN THE QR CODE TO WATCH A VIDEO ON THE AUTO-SYNC FUNCTION



## POWER AND LOGIC CONNECTIONS

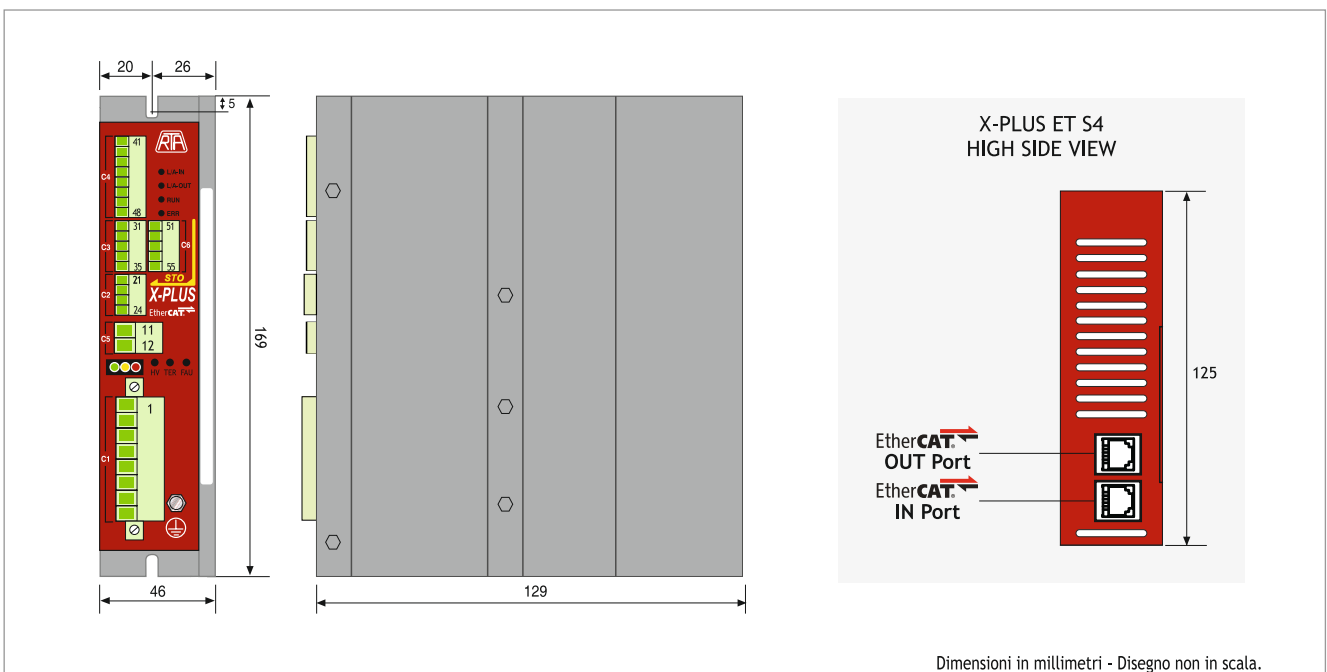


## STO FUNCTION FEATURES

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



## MECHANICAL DIMENSIONS



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