NEW!

X-PLUS ET S6/AS6 Series Drives

EtherCAT®

INTRODUCTION

- X-Plus ET S6/AS6 is a new model of RTA flagship high-power stepping motor drive with EtherCAT interface, direct input from the main AC power supply (from 110 to 230 VAC) and STO function.
- **Incremental and Absolute encoder management**, featuring a closed loop positioning and motor performance optimization, with **Auto-Sync** and **Auto-Feed** embedded functions

HIGHLIGHTS

- Modes of operation: PP, PV, Homing, CSP and CSV.
- 3 Current Control modes available: Open Loop, Auto-Sync and Auto-Feed.
- Configuration settings, diagnostics and setup via RTA STUDIO for Windows®.
- 4 INPUT and 4 OUTPUT configurable.
- Integrated system for back EMF energy dissipation with optional external resistor.
- Safe Torque Off (STO) function - SIL3-PIe Error Detection Monitor (EDM) output



AUTO-FEED

AUTO-FEED is a closed loop function with:

- Very simple tuning
- Lower power consumption and heating

ABSOLUTE ENCODER MANAGEMENT

- The **X-PLUS ET AS6** model supports high-precision positioning with battery-less absolute encoders, enabling advanced motion control

X-Plus ET AS6 Motor coupling

NEMA 34
HIGH INSULATION CLASS

- RM 3T1M-00HT
- RM 3T2M-00HT
- RM 3T3M-00HT



BATTERY-LESS ABSOLUTE ENCODER



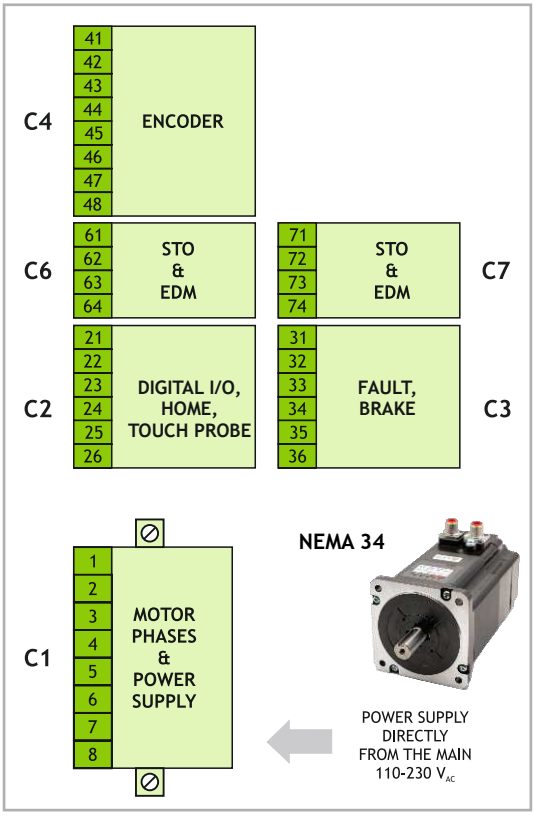
ONE OF THE MOST COMPACT DRIVES WITH POWER INPUT DIRECTLY FROM THE MAIN AC SUPPLY (110 - 230 VAC)

Series	Model	V_{AC} range	I nom.	I boost	Dimensions	Encoder management
		(Volt)	(Amp)	(Amp)	(mm)	
X-PLUS	ET S6	110 to 230 +/- 15%	4.0	6.0	169x129x46	INCREMENTAL
X-PLUS	ET AS6	110 to 230 +/- 15%	4.0	6.0	169x129x46	ABSOLUTE

TECHNICAL FEATURES

- Range of operating nominal voltage: 110-230 V_{AC}.
- Up to 6.0 Amps motor current setting.
- Protections:
  - -Protection against under-voltage and over-voltage
  - -Protection against a short-circuit at motor outputs
  - -Overtemperature protection with thermal sensor
  - -Open motor/encoder phase.
- Automatic current reduction at motor standstill.
- Electronic damping facility for further acoustic noise and mechanic vibrations reduction.
- Easy wiring with plug-in connectors. Maximum compactness.
- Optoinsulated digital I/O to ensure best EM noise immunity.
- Coupling with stepping motors rated for high insulation is mandatory.
- X-Plus ET AS6 coupling with RTA codes: RM 3TxM-00HT x=1, 2, 3
- Warranty: 24 months.

POWER AND LOGIC CONNECTIONS

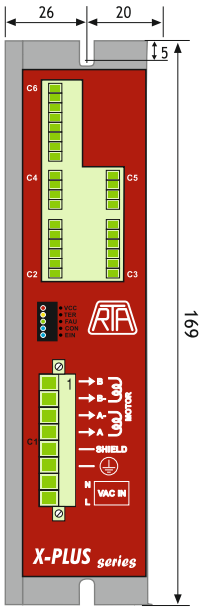


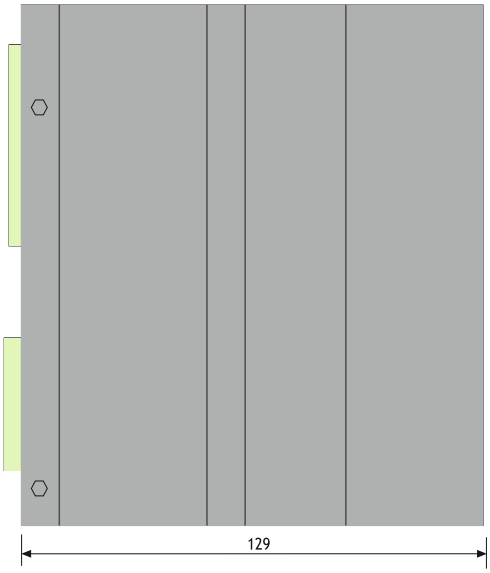




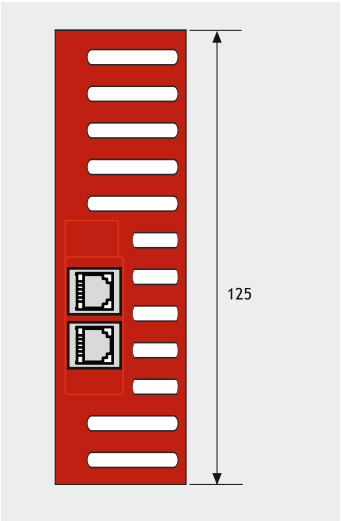


MECHANICAL DIMENSIONS





X-PLUS ET A/S6 HIGH SIDE VIEW



Dimensions in millimeters - Not in scale.

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