

X-PLUS MT Series Drives

INTRODUCTION

- New series of stepping motor drives with Modbus interface, direct input from the main AC power supply and STO function.
- Direct connection from the main AC power supply (110 Vac to 230 Vac).
- Auto-Sync Function available.
- Optimized for coupling with SANYO DENKI stepping motors, fitted with or without encoder.
- High performances in terms of power and ability to further increase the potential of the applications.
- UL/CSA certified.

HIGHLIGHTS

- Communication by means of Modbus TCP/IP interface.
- Modes of operation: PROFILE POSITION, PROFILE VELOCITY and HOMING
- 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.
- Configurable IP address via USB port
- Easy setup by RTA Modbus configurator software



STO FUNCTION FEATURES

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

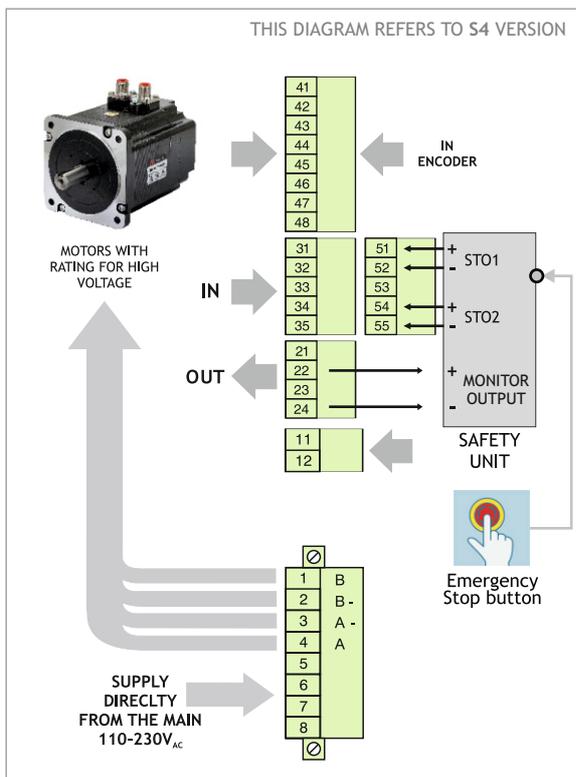
SIL3
SAFE TORQUE
OFF (STO)

Series	Model	V _{AC} range (Volt)	I nom. (Amp)	Digital In/Out	STO In	Dimensions (mm)
X-PLUS MT	S4 STO	110 to 230 +/- 15%	4.0	4/3	2	169x129x46
X-PLUS MT	B4	110 to 230 +/- 15%	4.0	4/3	/	169x129x46

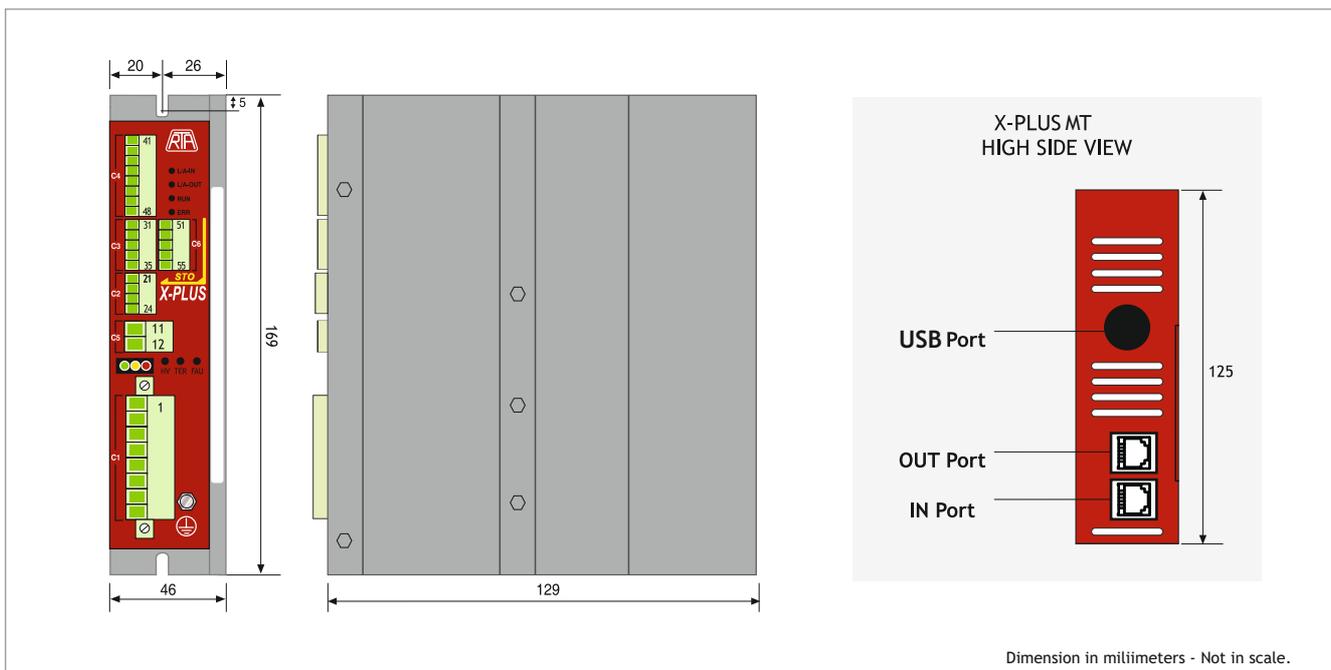
TECHNICAL FEATURES

- Communication by means of Modbus TCP/IP interface.
- Possibility to switch off motor current by means of STO function.
- Range of operating voltages: 110-230 V_{AC}.
- Protections:
 - Protection against under-voltage and over-voltage.
 - Protection against 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.
- Wide range of motor phase current setting.
- Motor current overboost .
- Intelligent management of the current profile.
- Communication by means of Modbus (CoE) interface.
- Different variety of HOMING operation modes.
- Encoder feedback.

POWER AND LOGIC CONNECTIONS



MECHANICAL DIMENSIONS



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