INTRODUCTION

STEP & DIRECTION

ADVANCED

ANALOG INPUT

PROGRAMMABLE

EtherCAT

CANopen

X-PLUS ET *Series Drives*

EtherCAT®

INTRODUCTION

■ New series of stepping motor drives with EtherCAT interface and direct input from the main AC power supply (from 110 V_{AC} to 230 V_{AC}).

■ Optimized for coupling with SANYO DENKI stepping motors, fitted with encoder.

■ Possibility to be connected directly from the main (from 110 V_{AC} to 230 V_{AC}), saving on transformer use.

■ High performance in terms of power and able to further increase the application potential.

HIGHLIGHTS

■ 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.

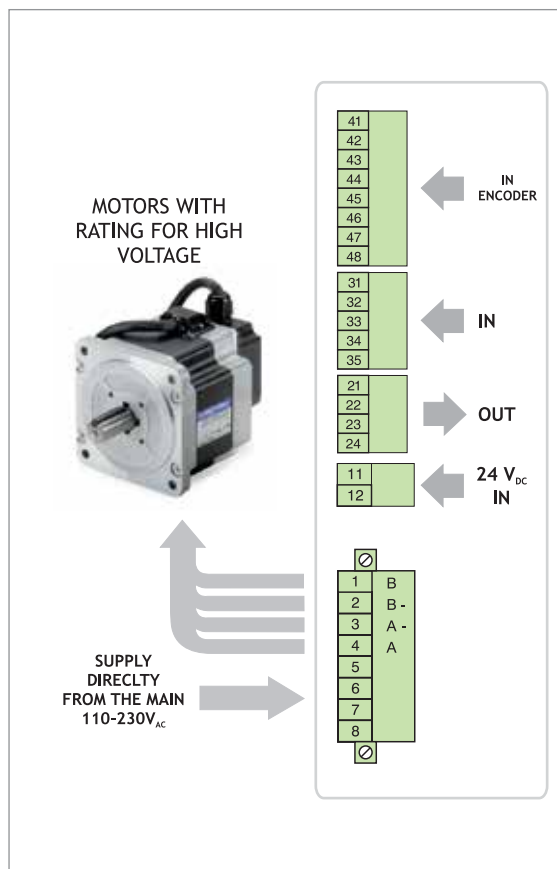| Series	Model	V_{AC} range (Volt)	I nom. (Amp)	Dimensions (mm)
X-PLUS ET	B4	110 to 230 +/- 15%	4.0	169x129x46

TECHNICAL FEATURES

- Range of operating voltages: 110-230 V_{AC}.
- 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.
- Warranty: 24 months.

WARRANTY
2 YEARS
GARANZIA

SETTING BY MEANS OF EtherCAT 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

MOTORS WITH RATING FOR HIGH VOLTAGE

IN ENCODER
41 42 43 44 45 46 47 48

IN
31 32 33 34 35

OUT
21 22 23 24

24 V_{DC} IN
11 12

1 B
2 B -
3 A -
4 A
5
6
7
8

SUPPLY DIRECLTY FROM THE MAIN 110-230V_{AC}

EtherCAT®

MECHANICAL DIMENSIONS

20 26
5
41
C4 L/A-IN
    L/A-OUT
    RUN
48 ERR
31
C3
35
21
C2
24
CS
11
12
HV TCR FAU
1
C1

169

46 129

X-PLUS ET HIGH SIDE VIEW

EtherCAT OUT Port
EtherCAT IN Port

125

Dimensions in millimeters - Not in scale.

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