ഒരിക്കിക്കൾ

MODELS

| Code | Interface | | | | | |
|-----------------|------------------|--|--|--|--|--|
| SB4D2030C2E1-3x | CANbus - CANopen | | | | | |
| SB4D2030M2E1-3x | Serial - Modbus | | | | | |

POWER SUPPLY

Separated 24 Vpc for logic (mandatory) and 12÷36 Vpc for power

POWER STAGE H-bridge bipolar chopper of 40 KHz

CURRENT 0 ÷ 3.0 Arms (0 ÷ 4.2 Apeak)

STEPLESS CONTROL TECHNOLOGY 65536 position per turn

CONTROL INTERFACES Serial RS485 or CANbus and SCI interface for programming and real time debugging (not isolated)

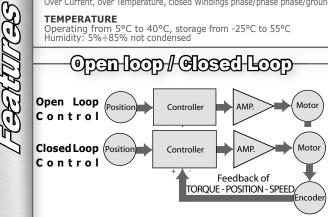
INPUTS / OUTPUTS 4 digital inputs (not isolated) 3 digital outputs (not isolated) 1 analog input (potentiometer)

DIRECT FEEDBACK INTERFACE 5V TTL/CMOS or 24Vpc push-pull for incremental encoder (not isolated)

SAFETY PROTECTIONS Over Current, over Temperature, closed Windings phase/phase phase/ground

TEMPERATURE

Operating from 5°C to 40°C, storage from -25°C to 55°C Humidity: 5% +85% not condensed



- with regard to an Open Loop Stepper Solution: - reliable positioning without synchronism loss;
- keeps the original position stable and recovers it automatically in case of positioning errors caused by external factors such as mechanical vibrations:
- 100% use of the motor torque;
- capacity to operate at high velocity related to the current control, which is adjusted depending on the load variations, where the normal systems in open loop use a constant current control at all velocities without considering the load variations.
- compared with a brushless servo controlled solution: - no need to adjust the power (automatic current regulation depending on the load changes);
 - keeping the position stable without fluctuations after completing the positioning;
 - guick positioning favoured by the independent control of the integrated DSP;
 - continuous and fast execution of short stroke movements thanks to the short positioning time.

Full Digital Programmable Endbleft fight evita

for Advanced Moffon Control with reduced costs



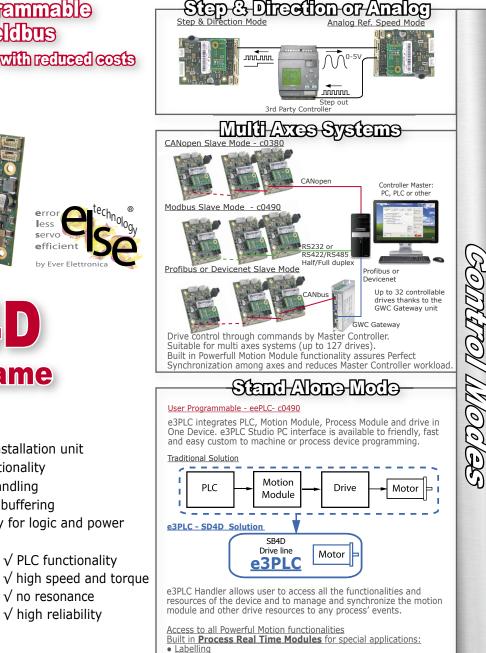


- Multiform Control Modes
- On Board Safety provisions:
 - $\sqrt{1}$ fully tested for direct installation unit
 - $\sqrt{}$ built in watch dog functionality
 - \sqrt{fault} monitoring and handling
 - $\sqrt{}$ on field working errors buffering
 - $\sqrt{}$ separated power supply for logic and power
- Servomotors main features:
- $\sqrt{}$ Stepless control technology $\sqrt{}$ PLC functionality
- $\sqrt{1000}$ low motor vibration
- $\sqrt{\text{closed loop}}$

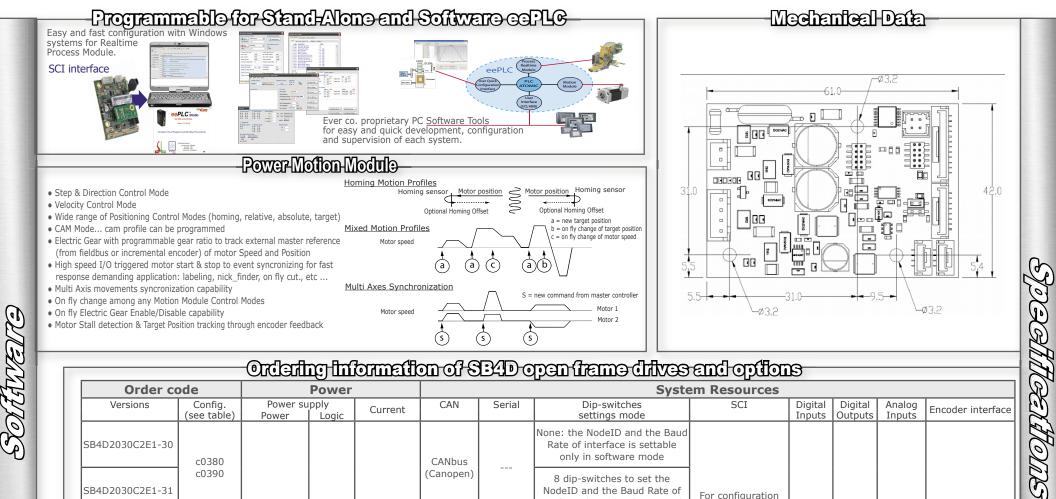
e-motion solutions

EVER Motion Solutions srl Via del Commercio, 2/4 -9/11 Loc. S. Grato - Z.I. 26900 - LODI (LO) - Italy Tel. 0039 0371 412318 - Fax 0039 0371 412367 email infoever@everelettronica.it www.everelettronica.it

√ high reliability



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- CAM
- Wire Processing
- User Custom Process •.....



| Urder code | | Power | | | System Resources | | | | | | | | |
|-------------|--|-------------------|----------------|---------------------------------|----------------------------|--|---|---|----------------------|--------------------|------------------|-------------------------------------|--|
| Versions | Config. (see table) | Power su Power | ipply Logic | Current | CAN | Serial | Dip-switches settings mode | SCI | Digital Inputs | Digital Outputs | Analog Inputs | Encoder interface | |
| SB4D2030C2E | 1-30 c0380 | - 12 ÷ 36 Vdc 24 | | 0 ÷ 3,0 Arms (0 ÷ 4,2 Ареак) | CANbus (Canopen) | | None: the NodeID and the Baud Rate of interface is settable only in software mode | For configuration and/or programming and real time debug | 4 | 3 | 1 | 1 5V TTL/CMOS o 24 Vcc Push-Pull | |
| SB4D2030C2E | c0390 1-31 | | | | | | 8 dip-switches to set the NodeID and the Baud Rate of interface also in hardware mode | | | | | | |
| SB4D2030M2E | c0490 | | | | | RS485 (Modbus) | None: the NodeID and the Baud Rate of interface is settable only in software mode | | | | | | |
| SB4D2030M2E | | | | | | | 8 dip-switches to set the NodeID and the Baud Rate of interface also in hardware mode | | | | | | |
| | | | Con | figuration | , Control | Method a | and Optional Software | Starter Kits | | | | | |
| Config. | | Control | | | Software Starter Kits Code | | | Description of the Software Starter Kits | | | | | |
| c0380 Ca | Canopen Control Mode (CiA DS402 profile) | | | | | SW4_SERV00-SL Communication kit for SCI service interface to configure the drive with Ever Stu | | | [.] Studio. | | | | |
| | | | | | | | | | | | | | |

Communication kit for SCI service interface to program the drive with e3PLC Studio IDE.

Communication kit for SCI service interface to program the drive with e3PLC Studio IDE.

SW4 SERV00-EE

SW4 SERV00-EE

c0390

c0490

Stand-Alone e3PLC Studio IDE Canopen Mode

Stand Alone e3PLC Studio IDE Modbus RTU Mode

Release 12.0.0