

SBD

Brushless drives stand alone

• BRUSHLESS DRIVE 230 VAC & 400 VAC

with **CANopen & EtherCAT** interface dedicated to the FCT series motion controller



Power supply

230 Vac single phase 50/60Hz

400 Vac three phase 50/60Hz

Control supply

24 Vdc

Rated current

230 Vac: 5 Arms - 8,5 Arms

400 Vac: 5 Arms - 10 Arms - 20 Arms

Peak current

230 Vac: 10 Arms - 17 Arms

400 Vac: 10 Arms - 20 Arms - 40 Arms

Rated power

230 Vac: 0,7 kW - 1,1 kW

400 Vac: 2 kW - 3,5 kW - 7 kW

Interface

CANopen DS402, EtherCAT, PROFINET, Pulse/direction internal programmability

Feedback

Resolver, TTL incremental encoder, TTL incremental encoder + HES, Hiperface

absolute encoder single and multiturn

1 Analog input

+/-10V

1 Analog output

0-10V

7 digital inputs

24V PNP (2 with touch probe functionality)

3 Digital outputs

24V PNP 200 mA

1 auxiliary encoder input

encoder input TTL

Braking resistor

Integrated Connection for external braking resistor

STO Safe Torque Off

2 channels SIL3 (under certification)

Thermal sensor

PT1000, KTY84-130, PTC switch

Integrated EMC filter

Braking motor output

DC Bus connection

Micro-usb port

Bluetooth connection

Soon available

Servo performances

PWM frequency = 5/10 kHz

Current loop BW = up to 1 kHz

Motion loop BW = up to 100 Hz

Current measurement resolution = 12 bit

Functionalities

Internal IEC programmability (CMZ)

Configuration and tuning: SDSetUp via micro USB

Configurable I/Os functionality

Certifications

CE

UL soon available

NEW Product 2022

MINI PLC

NEW Product 2021



• OVERALL DIMENSIONS

SIZE M		SIZE L
230 Vac	400 Vac	400 Vac
Rated current		
5 A 8,5 A		10 A 20 A
H 178,3 x W 83,6 x L 189,2 mm		H 270 x W 105 x L 232 mm
WEIGHT		
1,8 Kg		4,8 Kg



SBD

Brushless drives
stand alone





SINCE 1976

CMZ engineers and manufactures electronic systems for industrial motion control.

The company targets to OEMs and systems integrators for the co-development of automatic machines featuring a deep level of customization in multi axis motion. The result: high performing machines with unique, special features.

Established in 1976 focusing on controllers, today CMZ offers a complete portfolio of solutions including the systems design, the electronics programming, the development of ready-to-use application libraries and ad-hoc softwares, alongside a wide selection of master controllers IEC61131 up to 99 axis, integrated and stand-alone drives, brushless and stepper motors up to 120 Nm strictly compact and Made in Italy, peripherals and I/O modules both digital and analogic, integrated vision systems based on machine learning technology, HMI operator panels.

CMZ's high technological and safety standing is based on its team of 70 technicians and engineers. The systems realized to date in its plant count over 125,000 units.

CMZ is part of SOGA ENERGY TEAM industrial group operating in power generation, motion and control since 1966.

CMZ sviluppa e realizza sistemi elettronici e soluzioni per il motion control industriale.

L'azienda si rivolge a OEMs e system integrators per la co-progettazione di macchine automatiche dotate di funzionalità personalizzate e speciali nella movimentazione degli assi. Il risultato: macchine ad alta performance e dalle caratteristiche uniche.

Fondata nel 1976 con focus sui controllori, oggi CMZ offre un portfolio integrale di soluzioni che include la progettazione dei sistemi, la programmazione dell'elettronica, lo sviluppo di librerie applicative ready-to-use e pacchetti software ad-hoc, affiancati a un'ampia scelta di controllori IEC 61131 programmabili fino a 99 assi, azionamenti integrati e stand-alone, motori brushless e passo-passo fino a 120 Nm rigorosamente compatti e Made in Italy, periferiche e moduli I/O digitali e analogici, sistemi di visione integrata con tecnologia machine learning, pannelli operatore HMI.

L'elevato standing tecnologico e di sicurezza di CMZ si basa su un team di 70 tecnici e ingegneri. I sistemi realizzati fino ad oggi nel sito produttivo dell'azienda sono oltre 125.000. CMZ fa parte del gruppo industriale SOGA ENERGY TEAM, attivo dal 1966 a livello internazionale nei settori power generation, motion e control.

