



#INDUSTRIALMOTIONCONTROL

NEW SERVODRIVE SBD MADE IN ITALY

We are ready to introduce CMZ new brushless stand alone servodrive SBD

featuring Italian best technology:

- ✓ integrated programmability
- ✓ cost-effective solution
- ✓ 230V or 400V in one case
- ✓ developed and Made in Italy





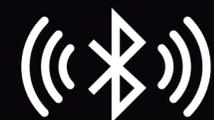
Overview Table

  	 CODESYS	SIZE M		SIZE L		
		230 Vac 1-phase		400 Vac 3-phase	400 Vac 3-phase	
		Nominal	5A	8,5A	5A	10A
Peak	10A	17A	10A	20A	40A	
FIELDBUS	EtherCAT / CANopen PROFINET (coming soon)					
POWER SUPPLY	Without external contactor					
I/Os	Integrated 7 DI - 3 DO - 1 AI - 1 AO					
FEEDBACK	Absolute Hiperface / Resolver / Incremental with HES					
SAFETY	STO Safe Torque Off SIL3					
APPLICATIONS	Multi-axis application based on CODESYS master controller and SBD CODESYS driver OR Stand alone application without master controller, based on integrated programmability IEC61131 (ST language)					
CONFIGURATION & TUNING	Advanced Configuration & Tuning functionalities on SDSetUp					



Preliminary data

Models	Short description
SBD230 050	230 Vac 1-phase IO=5,0 A - I _{pk} =10,0 A
SBD230 085	230 Vac 1-phase IO=8,5 A - I _{pk} =17,0 A
SBD400 050	400 Vac 3-phase IO=5,0 A - I _{pk} =10,0 A



Configuration and tuning via BLUETOOTH technology available from 2022 on all SBD range sizes -M, -L through CMZ dedicated App.

Logic supply	24 Vdc
BUS Interface and fieldbus	CAN - CANopen DS402 ETC - EtherCAT CoE
Feedback	Resolver 10 KHz TTL incremental encoder & HES Hiperface absolute encoder
Thermal sensor	PTC NTC
Digital/analog IO	3 x DO 24 Vdc PNP 200 mA 7 x DI 24 Vdc PNP (2 with touch probe functionality) 1 x AI +/- 10 Vdc 1 x AO 0-10 Vdc
Auxiliary encoder input	1 x TTL incremental encoder
STO	2 Channels
Braking resistors	Integrated 30 W for all size Connection for external braking resistor
Others	EMC filter Braking motor output DC Bus connection Configuration port: micro USB
Dimensions and weight	LxHxP = 83,6 x 178,3 x 189,2 (mm) for all sizes Weight = 0,850 Kg for all sizes
Servo performances	PWM frequency = 5/10kHz 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: SDSsetUp via micro USB Configuration and tuning: Bluetooth available from 2022 Configurable IOs functionality



In automation since 1976

CMZ SISTEMI ELETTRONICI develops and supplies fully customizable hardware and software systems based on your project, integrating “turnkey” motion control configurations with the optimization of your engineering and development costs. Made in Italy reaches its full expression also in the automation industry.

CMZ has been operating in industrial motion control since 1976 offering solutions and components for multi-axis control, developed for OEM manufacturers of automatic machines and system integrators with open-frame logic, for integration with all the main drives on the market.

The company is based in Northern Italy and operates internationally thanks to a network of automation partners present on every continent.



Contact us for a presentation

LIVE DEMO

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