LBD 230

Brushless drives stand alone

Brushless drives stand alone

• BRUSHLESS DRIVE 230 VAC

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

Power supply
230Vac single phase
Control supply
24Vdc
Rated current
230Vac: 5,5A - 8,5A
Peak current
230Vac: 11A - 17A
Interface
CANopen DS402 (2 RJ45 connectors), EtherCAT,
± 10V, Pulse/direction
Feedback
Resolver, TTL incremental encoder, TTL incremental encoder+HES
SinCos, SinCos+HES, HIPERFACE absolute encoder single and multiturn,
digital HIPERFACE DSL absolute encoder, digital EnDat 2.2 absolute encoder, linear absolute encoder
Encoder emulation
Incremental TTL (differential output)
2 Analog inputs
12 bits +/-10V
1 Analog output
8 bits +/- 2,5V
5 Digital inputs
24Vdc optoisolated: general purpose or configurable
as Capture, Index, Limit switch +/-, Enable, STEP/DIR
3 Digital outputs
Parametrable 24Vdc max 300mA with dedicated
terminal connection for motor brake control
(external power device required)
Braking resistor
35W included. External connections available
STO function
2 channels, SIL3
Motor thermal sensor
PTC/NTC
EMC filter
Choke integrated
Certifications: CE, UL

EtherCAT® CANopen®

• OVERALL DIMENSIONS

Type	LBD23	
Peak current	11	17
Standard dimensions (mm)	H148xW70xD143	
Weight (Kg)	1,5	

• BRAKING RESISTOR

Ref. Drives	Braking resistor	Ohm / Watt
LBD2311	DP50/200	50 Ohm 200 W
LBD2317	DP50/200	50 Ohm 200 W

LBD 400

Brushless drives stand alone

Brushless drives stand alone

• BRUSHLESS DRIVE 400 VAC

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

Power supply
400Vac three phase
Control supply
24Vdc
Rated current
400Vac: 4 - 10 - 22,5* - 35* - 75* A
Peak current
400Vac: 8 - 20 - 45* - 100* - 200* A
Interface
CANopen DS402 (2 RJ45 connectors), EtherCAT,
± 10V, Pulse/direction
Feedback
Resolver, TTL incremental encoder, TTL incremental encoder+HES, SinCos, SinCos+HES, HIPERFACE absolute encoder single and multi-turn, digital HIPERFACE DSL absolute encoder, digital EnDat 2.2 absolute encoder, linear absolute encoder
Encoder emulation
Incremental TTL (differential output)
2 Analog inputs
12bits +/-10V
1 Analog output
8 bits +/- 2,5V
5 Digital inputs
24Vdc optoisolated: general purpose or configurable as Capture, Index, Limit switch +/-, Enable, STEP/DIR
3 Digital outputs
Parametrable 24Vdc max 300mA with dedicated terminal connection for motor brake control (external power device required)
Braking resistor
35W included. External connections available
STO function
2 channels, SIL3
Motor thermal sensor
PTC/NTC
EMC filter
Choke integrated
Certifications:
CE
UL: Except for the codes LBD40200(200A) and MMGDPS400/64.000(64kW)

EtherCAT® CANopen®

* external power supply unit (code **MMGDPS400** / 16.000)
(code **MMGDPS400** / 32.000)
(code **MMGDPS400** / 64.000)

• OVERALL DIMENSIONS

Type	LBD40				
Peak current	008	020	045	100	200
Standard dimension mm	H220xW70xD182			220x80x206	H295xW166,60xD215
Weight (Kg)	2,2		2,4	3,3	8,5

• BRAKING RESISTOR

Ref. Drives	Braking resistor	Ohm / Watt
LBD40008	DP100/100	100 Ohm 100 W
LBD40020	DP50/200	50 Ohm 200 W
LBD40045	DP33/280 (on MMGSPS400/16)	33 Ohm 280 W
LBD40100	DP16,5/560 (on MMGSPS400/32)	16,5 Ohm 560 W
LBD40200	DP7,5/560 (on MMGDPS400/64)	7,5 Ohm 560 W

LBD

Ordering Codes

• LBD

Type	Power suppy	Peak current (cc)	Interface/feedback (XXX)	ab**	c***
CAN version - LBD23CC.XXX.abc - 230V					
LBD2311/CAN.abc	23(230V)	11 (11 A)	CAN fieldbus/Standard feedback	00	0
LBD2311/CND.abc	23(230V)	11 (11 A)	CAN fieldbus/Digital feedback	00	0
LBD2317/CAN.abc	23(230V)	17 (17 A)	CAN fieldbus/Standard feedback	00	0
LBD2317/CND.abc	23(230V)	17 (17 A)	CAN fieldbus/Digital feedback	00	0
EtherCAT version - LBD23CC.XXX.abc - 230V					
LBD2311/ETC.abc	23(230V)	11 (11 A)	EtherCAT fieldbus/Standard feedback	00	0
LBD2311/ETDabc	23(230V)	11 (11 A)	EtherCAT fieldbus/Digital feedback	00	0
LBD2317/ETC.abc	23(230V)	17 (17 A)	EtherCAT fieldbus/Standard feedback	00	0
LBD2317/ETD.abc	23(230V)	17 (17 A)	EtherCAT fieldbus/Digital feedback	00	0

Type	Power suppy	Peak current (cc)	Interface/feedback (XXX)	a	b**	c***
CAN version - LBD40CC.XXX.abc - 400V						
LBD40008/CAN.abc	40(400V)	008 (08 A)	CAN fieldbus/Standard feedback	0=DSUB standard	0	0
LBD40008/CND.abc	40(400V)	008 (08 A)	CAN fieldbus/Digital feedback		0	0
LBD40020/CAN.abc	40(400V)	020 (20 A)	CAN fieldbus/Standard feedback	0=DSUB standard	0	0
LBD40020/CND.abc	40(400V)	020 (20 A)	CAN fieldbus/Digital feedback		0	0
LBD40045/CAN.abc	40(400V)	045 (45 A)*	CAN fieldbus/Standard feedback	0=DSUB standard	0	0
LBD40045/CND.abc	40(400V)	045 (45 A)*	CAN fieldbus/Digital feedback		0	0
LBD40100/CAN.abc	40(400V)	100 (100 A)*	CAN fieldbus/Standard feedback	0=DSUB standard	0	0
LBD40100/CND.abc	40(400V)	100 (100 A)*	CAN fieldbus/Digital feedback		0	0
LBD40200/CAN.abc	40(400V)	200 (200 A)*	CAN fieldbus/Standard feedback	0=DSUB standard	0	0
LBD40200/CND.abc	40(400V)	200 (200 A)*	CAN fieldbus/Digital feedback		0	0
EtherCAT version - LBD40CC.XXX.abc - 400V						
LBD40008/ETC.abc	40(400V)	008 (08 A)	EtherCAT fieldbus/Standard feedback	0=DSUB standard	0	0
LBD40008/ETD.abc	40(400V)	008 (08 A)	EtherCAT fieldbus/Digital feedback		0	0
LBD40020/ETC.abc	40(400V)	020 (20 A)	EtherCAT fieldbus/Standard feedback	0=DSUB standard	0	0
LBD40020/ETD.abc	40(400V)	020 (20 A)	EtherCAT fieldbus/Digital feedback		0	0
LBD40045/ETC.abc	40(400V)	045 (45 A)*	EtherCAT fieldbus/Standard feedback	0=DSUB standard	0	0
LBD40045/ETD.abc	40(400V)	045 (45 A)*	EtherCAT fieldbus/Digital feedback		0	0
LBD40100/ETC.abc	40(400V)	100 (100 A)*	EtherCAT fieldbus/Sandard feedback	0=DSUB standard	0	0
LBD40100/ETD.abc	40(400V)	100 (100 A)*	EtherCAT fieldbus/Digital feedback		0	0
LBD40200/ETC.abc	40(400V)	200 (200 A)*	EtherCAT fieldbus/Standardfeedback	0=DSUB standard	0	0
LBD40200/ETD.abc	40(400V)	200 (200 A)*	EtherCAT fieldbus/Digital feedback		0	0

* external power supply unit required ** reserved *** customized

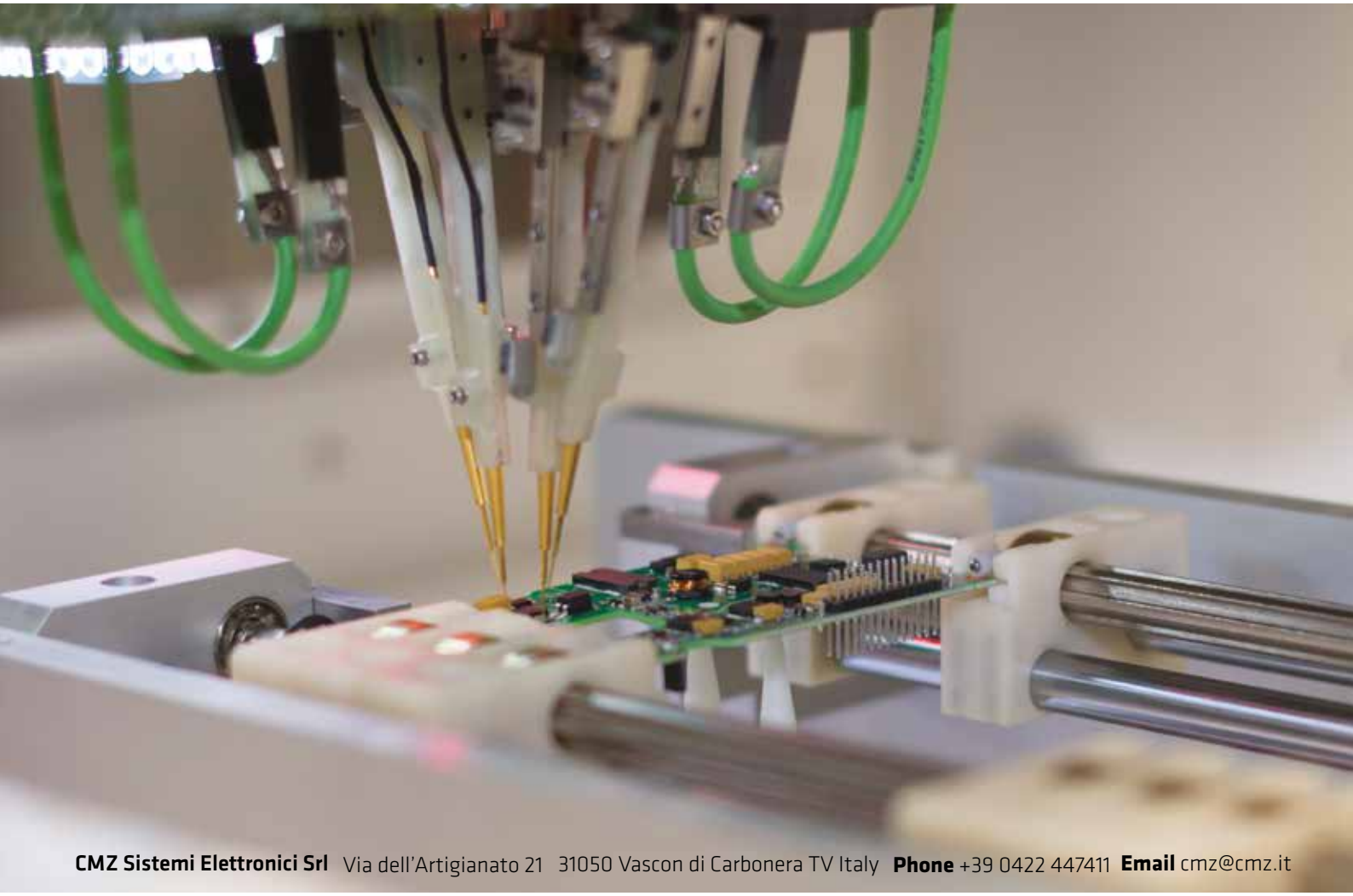
• MMGDPS

POWER SUPPLY	
ORDERING CODE: MMGDPS400/pp.000	
MMGDPS400/16.000	Power supply 16 kW with kit external connector
MMGDPS400/32.000	Power supply 32 kW with kit external connector
MMGDPS400/64.000	Power supply 64 kW with kit external connector

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.



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