

# SVM

Stepless  
stand alone  
drives

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## • SMART SERVODRIVE FOR 2 PHASES SYNCHRONOUS MOTOR



### HARDWARE FEATURES

#### Power supply

65-180Vdc [Nominal 160Vdc]

#### Control supply

20-180Vdc

#### Rated current

4Arms @40°C (8,5Arms with external ventilation)

#### Peak current

12Arms

#### Feedback

Incremental encoder

#### Encoder output

Incremental line driver (differential output)

#### Digital input

7 configurable 24Vdc PNP optoisolated (e.g.: limit switch +/-, index, captures or general purpose)

#### Special digital input

2 configurable 24Vdc PNP or line driver optoisolated: settable as master encoder or step/dir or general purpose

#### Analog input

1 Analogue IN +/-10V

#### Digital output

4 optoisolated PNP digital outputs 24Vdc max 200mA  
n. 1 24Vdc max 1,4A

for motor brake control or general purpose  
(external power device required)

#### Interface

Profibus-DP slave

CANopen RS232/485 (ModBus) step/dir,  
+/-10V with encoder output

#### CAN Speed/address selection

by switches or software settable

#### Available versions

Profibus-DP, CANopen, ModBus RS485, Step/dir, ±10V

#### Dimensions (mm)

W51xH196xD125

Weight (Kg) 0.8

Certifications: CE



SVM

MM

### FUNCTIONAL FEATURES SVM

#### Integrated movement features:

device profile DS402, interpolated mode, positioning, extended gearing function, homing, capture

#### Stand alone programmability

according to the standard IEC61131, ST language

#### Capture input

#### PC parametrization tool

#### Protection

I2t, Overload, Short circuit, Overtemperature, Overvoltage

## • SVM ORDERING CODES

SVM1608/a.bcd

Type	Power supply	Rated current	Interface (a)	Reserved thermal sensor (b)	Reserved (c)		Reserved (d)	
SVM	16 (160V)	08 (8,5Arms)	CAN	1	0 without conformal coating	1 with conformal coating	0 version CAN/SER	1 version PROFIBUS
SVM	16 (160V)	08 (8,5Arms)	SER (RS485)					
SVM	16 (160V)	08 (8,5Arms)	PRO (Profibus)					



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.

