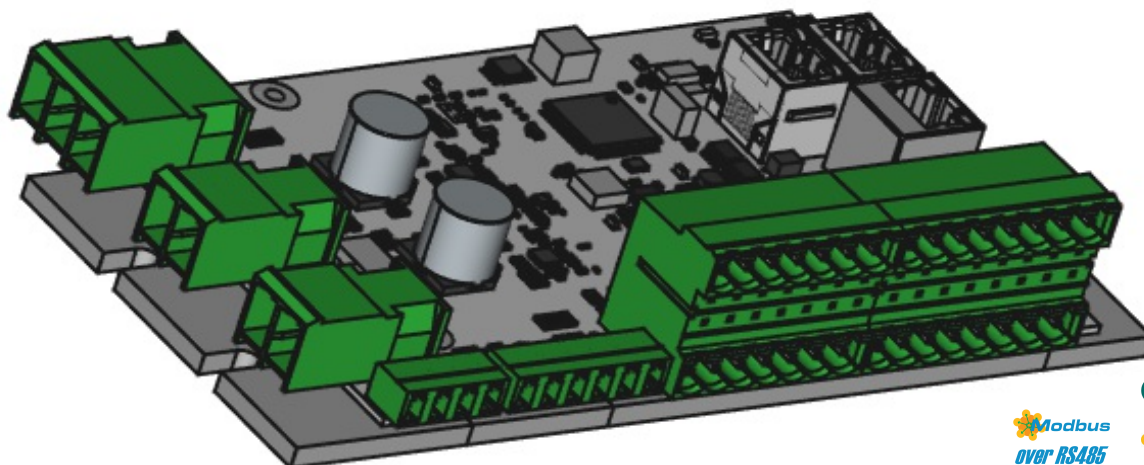


*L'immagine rappresenta il prodotto in configurazione "full"



Features

Industrial grade dual motor driver powered up to 24Vdc

Current is limited internally to prevent any damage

Communicates with any industrial computer board or PLC via CANopen or RS485 via two RJ45 pass-through ports to allow concatenation using standard UTP ethernet patches

8 digital input and 8 digital output

2 analog input and 1 analog output

8 high speed digital inputs capable of reading up to 2 encoders

Drives any motor using feedbacks provided by Hall sensors and TTL encoders

Equipped with built-in safety, fully featured motion controller

Operates as a stand-alone device or communicate via advanced networking as part of multi-axis system

Programmable using IEC-61131-3 code: it's easy to set it up and tune via DeviceManager software

It conforms to Safety Integrity Level 3, STO with PLC or TTL connection

Tech Specs

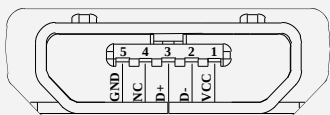
Logic Power supply	24Vdc $\pm$ 10%
Processor	XMC4700-F100X1536
CPU	ARM Cortex M4 @ 144MHz
Memory	1536 MB internal flash + 1 MB configuration serial flash
RAM	276KB SRAM
Ethernet	1 port @ 10 / 100 Mbps
Serial	1 port RS232 / 485
CAN Ports	1 CANopen channel
USB Ports	1 USB 2.0 type B micro
I/O Power Supply	Common with logic power supply
Encoder 1	24V input (SA,SB,SC)
Encoder 2	24V input (SA,SB,SC)
Motor 1 Current	10A / 20A / 30A
Motor 2 Current	10A / 20A / 30A
Motor type	DC
Current limiter	Software limiter
Current Loop Control	20kHz
H Speed Dig IN(3.3us RC)	up to 8 @ 24V
Digital IN (4.7us RC)	8 @ 24V 10mA
Digital OUT	8 @ 24V 700mA PNP
Analog IN	2 @ 0-10V (12 bit resolution)
Analog OUT	1 @ 0-10V (12 bit resolution)
Power Bus Voltage	24Vdc $\pm$ 10%
Power Area Temperature	Dedicated temperature sensor on PCB
Hardware Watchdog	220us
I2t	Irms current
Brake Motor OUT	Push Pull 24V PWM
Brake Resistor OUT	N-ch Mosfet
Brake Resistor	Min 5 Ω
STO current out	30mA (max 50mA), NPN
Reverse polarity	Logic circuit, diode
Storage C°	-40 to +85 °C
Operating C°	0 to +45 °C
Humidity	0 to 95%, non condensing
Size (mm)	97,2 x 170,1 x 40,6
Weight (g)	312 (heatsink included)
Case	Open frame board
Heatsink	2 layers anodized aluminum heatsink

Ordering code	Motor	Current	Vbus	Field Bus	Ethernet	Feedback	I/O
CSMC2-1	2 Motor	30 A	24 Vdc	CAN	No	Yes	Yes
CSMC2-2	1 Motor	30 A	24 Vdc	No	No	Yes	Yes
CSMC2-3	1 Motor	30 A	24 Vdc	CAN	No	No	No

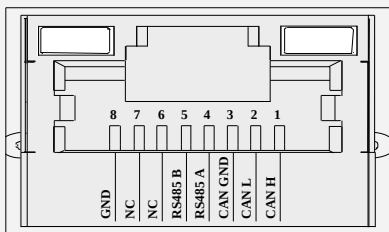
(For custom configuration contact us)

CSMC2-X "Dual DC Motor Control, Device CAN/RS485"

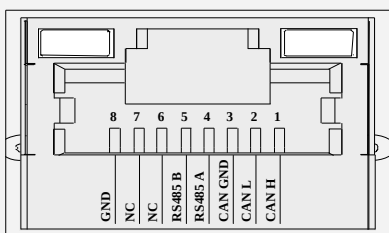
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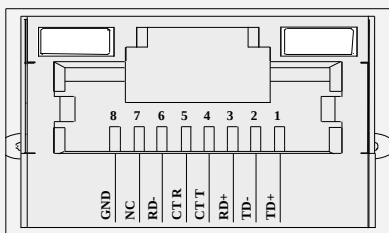
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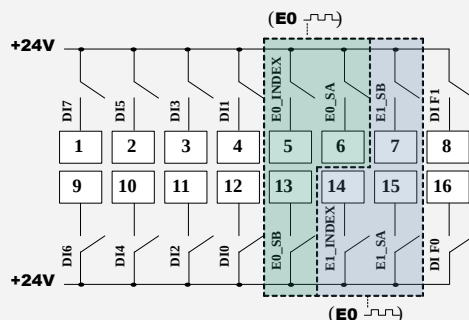
X10



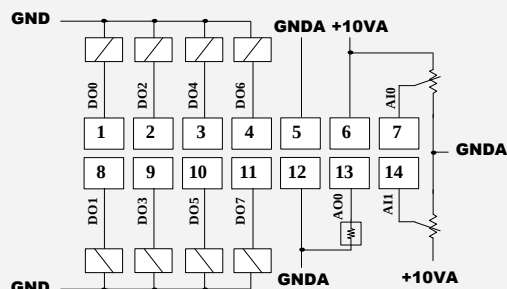
X11



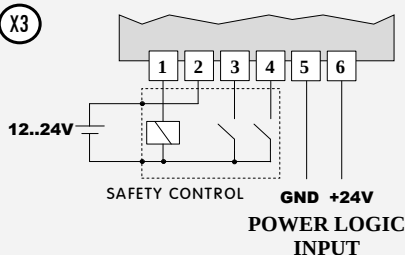
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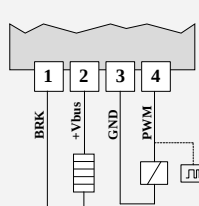
X2



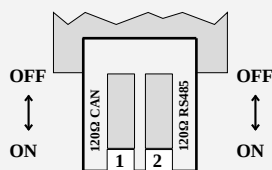
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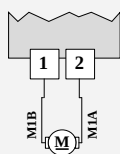
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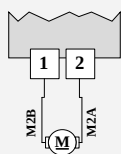
S1



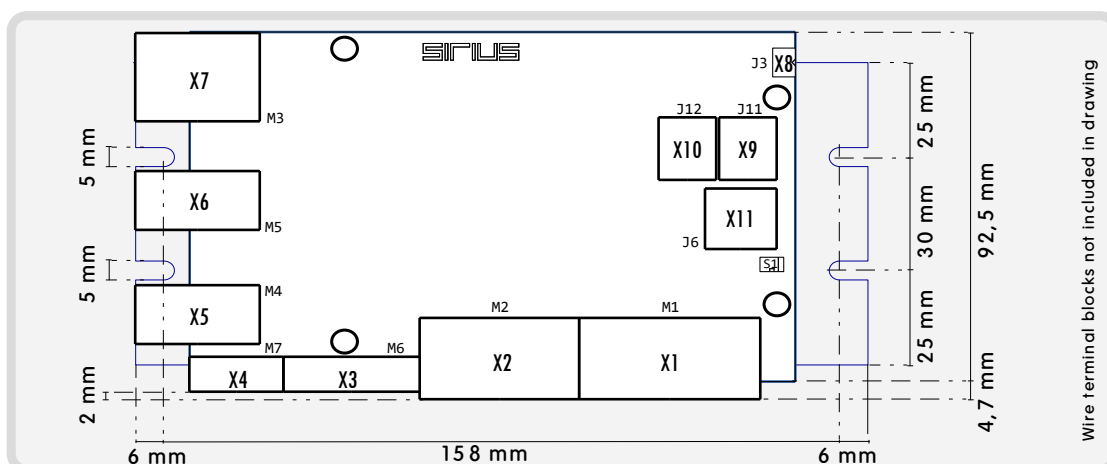
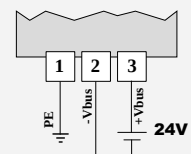
X5



X6



X7



Wire terminal blocks not included in drawing