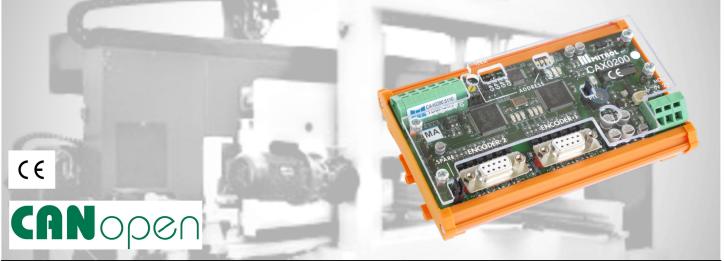
CAX0100.Bx0

AXIS INPUT CAN BUS MODULE

RT122013rev00 del 10/03/2022







Before using, read these user's manuals of this module to ensure correct usage through understanding. After reading, store them in a safe place for future reference. The manufacter assumes no responsability for any damage caused by mishandling that is beyond normal usage defined in this document.

1. Description

The CAX0100 it's a module with 1 input encoder type line driver 5V, designed for industrial application.

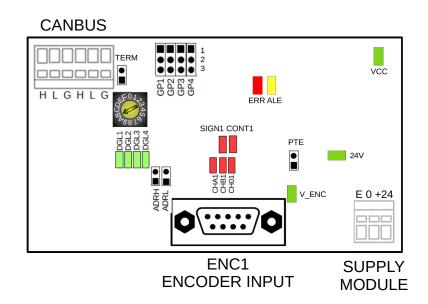
2. Technical carateristics

Dimension (H x L x P)	88 x 127 x 55mm
Weight	160g
Mounting	standard DIN rail
Immunity zone (IEC 6100-6-2)	Zone A
Power supply module (V MOD)	1836Vdc
Power consuption (V MOD)	390mA a 24Vdc
CanBus line	125KB / 250KB / 500KB / 1MB
Marking	CE (EN61131-2)
Operative temperature	055°C
Storage temperature	-2085°C
Warehousing humidity	Max. 95% non-condensing
Protection grade	IP20



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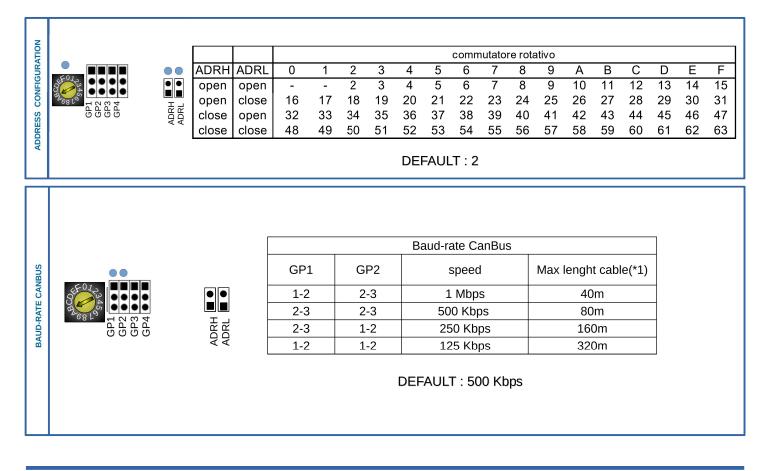


3. Module addressing, baud rate and CanBus termination

Setting switches and rotary switch are on the top of the module. They allow to set module address, CanBus rate and to terminate the line.

Jumper ADRL, ADRH and rotary switch are used to set the address; jumper GP1 and GP2 are used to set baud rate.

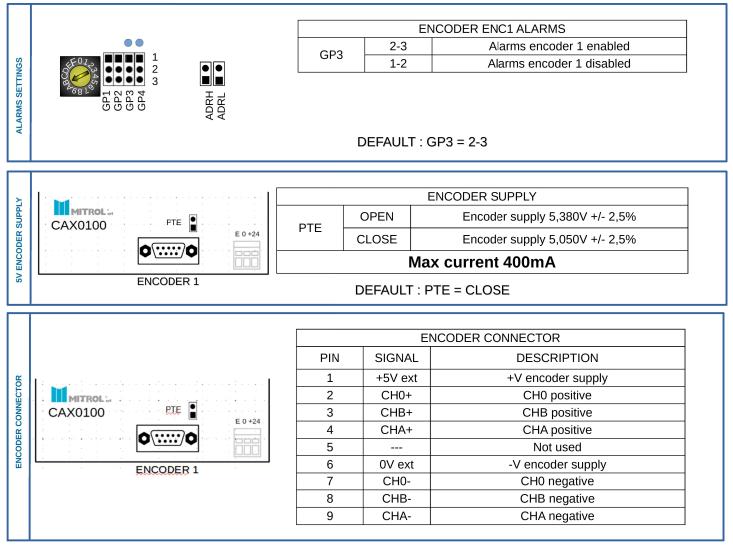
The default configuration is the factory setting.





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Module diagnostic led					
LED VCC	LED ON	Main cpu supply available			
	LED OFF	Main cpu supply not present			
LED ALE		Cpu ok			
	LED OFF	Cpu not ok			
LED ERR	LED BLK	Cpu alarm			
	LED OFF	Cpu ok			
Led 5V encoder supply					
LED V_ENC		5 volt available			
	LED OFF	5 volt not presente			

Encoder diagnostic							
LED ENCODER				CHA1 BLK	Fase A active		
				CHB1 BLK	Fase B active		
				CH01 BLK	Zero active		
Encoder alarms							
LED COUNT1 ON		Encoder ENC1 alarm counting					
		En	Encoder ENC1 alarm signal				
Led 24V module supply							
LED		LED ON		24 volt available			
24V		LED OFF		24 \	24 volt not presente		





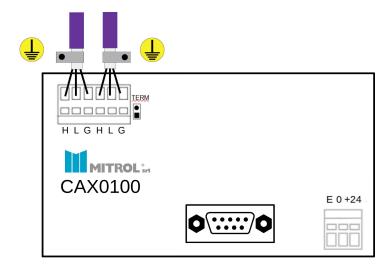
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4. CanBus connection

Use shielded CanBus cable with characteristic impedance of 120 Ohm for the connection of the CanBus line.

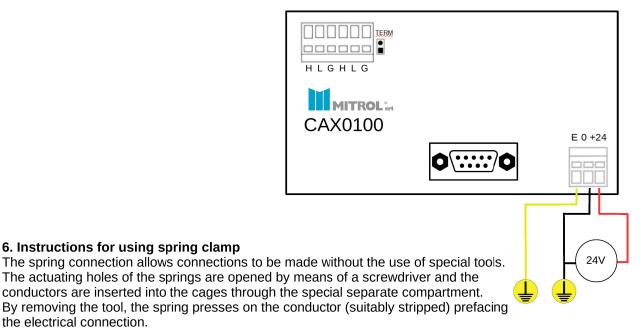
According to the CanBus specification, the connection must be made with three wires (CANH, CANH and GND_CAN). Connect the cable shield to ground with a metal clip.

Close the TERM jumper only if the module is the last in the line. (default TERM: OPEN)



5. Module power supply connection

The terminal E is connected to the metal shell of the ENC1 connector; must be connected to earth!. Connect OV of the power supply to the ground.



Wire prescription:

- Stranded or solid with section from 0,2 a
- 2,5mmq (24-12 AWG);
- Stripped lenght 7mm;

the electrical connection.

- Flexible cable section with cable lug and plastic collar 0.25 to 1.5mmq.