Xtrapulspack Easy Servo Drive

In order to configure the drive to work with NILAB, see this page: https://www.nilab.at/dokuwiki/doku.php?id=green_drive_motors:xtrapulspack|

Software per la parameterizzazione del drive: https://www.nilab.at/download/gemdrive-studio-5-36-infranor-drive/?wpdmdl=7376&refresh=67a1d90a4104f1738660106

For control using CANopen fieldbus download the EDS here: :miniature_motors:eds_file_easy-ak_v1.31.zip

Serial and CANopen communication - X5 connector pinout

Suggested USB to RS232 converter : https://ftdichip.com/products/usb-rs232-we-1800-bt_0-0/

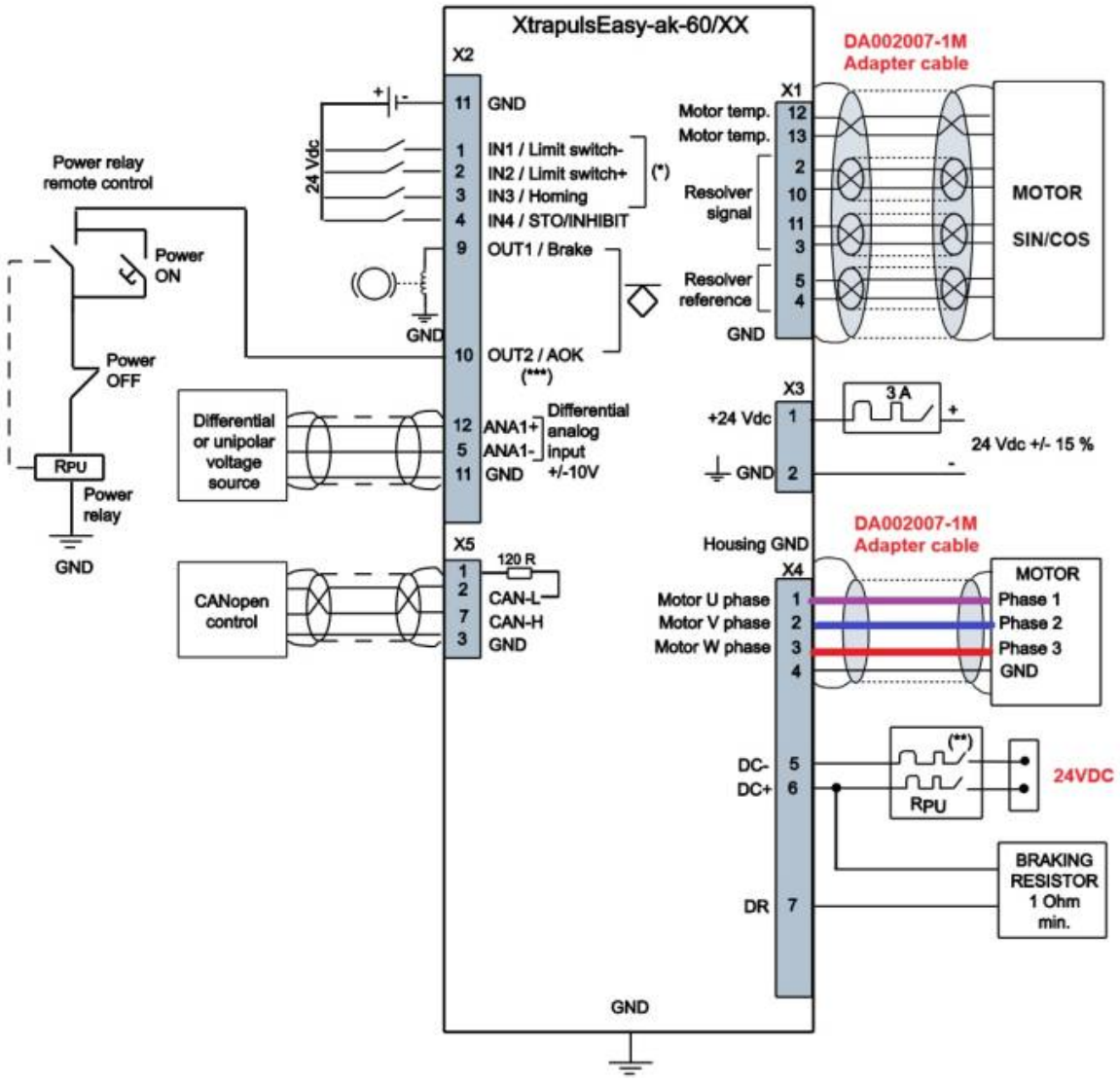
SUB D 9 pin male connector

PIN	FUNCTION	REMARKS
1	Termination resistor	Connect X5.1 to X5.7 to enable the termination resistor
2	CAN-L	Line CAN-L (dominant low)
3	GND	GND signal for CAN communication
4	TXD	Transmit data RS-232
5	GND	GND (shield connection if no 360° connection on the connector). 360° shield connection is highly recommended.
6		Reserved
7	CAN-H	Line CAN-H (dominant high)
8	RXD	Receive data RS-232
9		Reserved

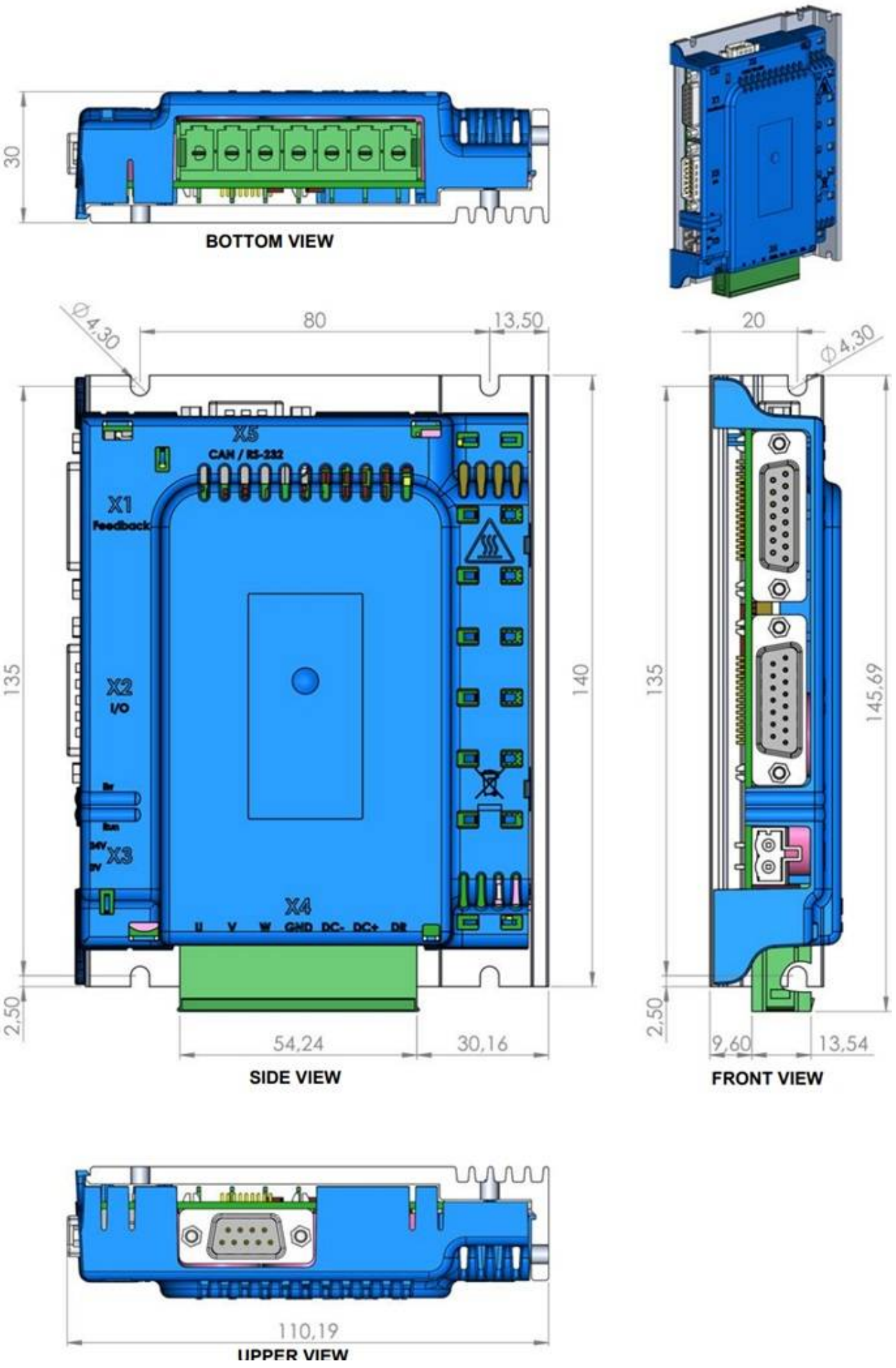
Default parameters for the CANopen bus are:

- Transmission speed of 1 Mb/s,
- Address set at 1,

Motor and feedback connections



Servo drive mechanical dimensions and connectors position


30
BOTTOM VIEW
Ø4,30
80
13,50
X5
CAN / RS-232
X1
Feedback
X2
I/O
X3
X4
U V W GND DC- DC+ BR
135
140
2,50
54,24
30,16
SIDE VIEW
20
Ø4,30
135
145,69
2,50
9,60
13,54
FRONT VIEW
110,19
UPPER VIEW

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