

# TBS1 Servo drive

## Overview

NILAB's low-voltage servo drives TBS1 (24VDC) have a perfect quality-price-performance ratio. They are optimized to be used with the miniature tubular linear motors of the NL and NLH series.

### Key facts TBS1:

| Item                          |
|-------------------------------|
| CANopen slave (DS402 profile) |
| Modbus RTU                    |
| Integrated braking resistor   |
| RS232 for commissioning       |
| Nominal current 15Arms        |
| Feedback SIN/COS 1Vpp         |
| Integrated positioner         |



## Motion manager

Motion manager document: [:miniature\\_motors:motion\\_manager\\_tbs1.pdf](#)

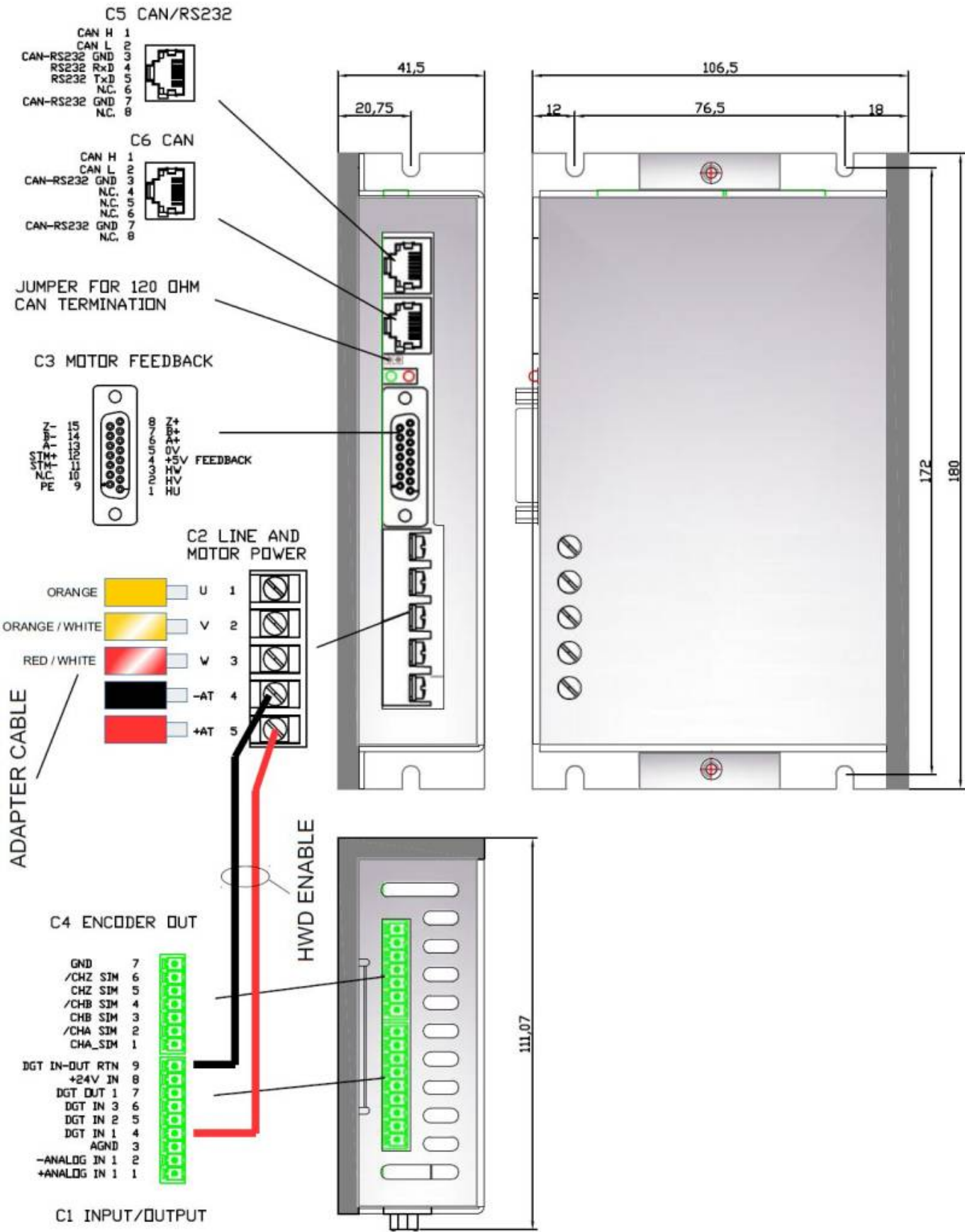
How to use Motion manager:

[:miniature\\_motors:nilab\\_servo\\_drive\\_motion\\_manager\\_step\\_by\\_step\\_guide.pdf](#)

Motion manager Firmware for TBS1: [:miniature\\_motors:tbs1\\_firmware\\_mm.zip](#)

Connection schema

3D Model of TBS1: :miniature\_motors:tbs1\_3d\_model.zip



Alternative color for the phases are: U→ **Blue** , V → **Red** , W→ **Violet**

From:

<https://www.nilab.at/dokuwiki/> - **NiLAB GmbH**

**Knowledgebase**

Permanent link:

[https://www.nilab.at/dokuwiki/doku.php?id=en:miniature\\_motors:tbs1\\_servo\\_drive](https://www.nilab.at/dokuwiki/doku.php?id=en:miniature_motors:tbs1_servo_drive)

Last update: **2026/09/11 07:58**

