

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](#)

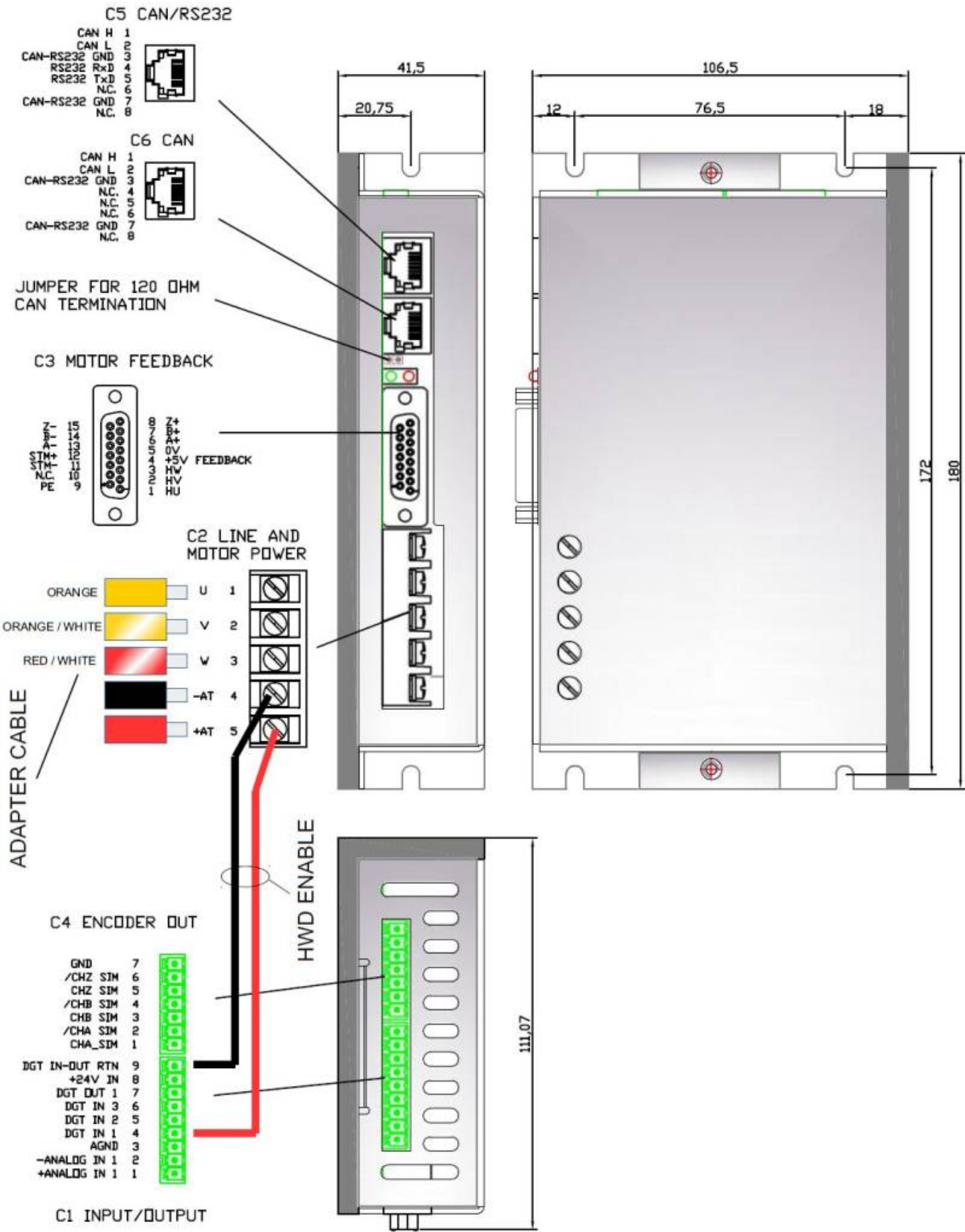
How to use Motion manager:

[: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://dokuwiki.nilab.at/> - **NiLAB GmbH**
Knowledgebase

Permanent link:

https://dokuwiki.nilab.at/doku.php?id=en:miniature_motors:tbs1_servo_drive

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

