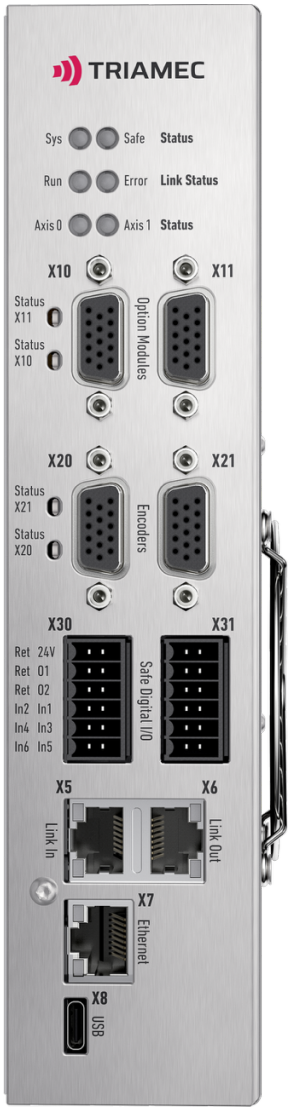
TRIAMEC

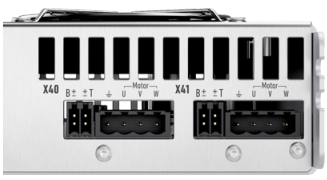
Redefining
Motion Control

TSD80/130 Revision 6

Improvements and Changes in a Nutshell



Detail view of
motor connectors:



Improved Motor Current Measurement

- Improved current resolution on TSD80-10
- Reduced current noise by a factor of up to 2

Improved Sin/Cos Encoder

- Higher signal resolution and reduced signal noise
- Analog bandwidth of 700kHz (was 500kHz)
- Digital counting up to 10MHz
- More power: Encoder supply delivers up to 0.5A for each encoder (previously 0.25A)
- Improved common mode filtering (20dB better)

NRTL certification with TÜV underway

- NRTL certification facilitates use in the U.S. and Canada

Functional Safety

- ISO13849 up to Cat. 4 PL e
- EN61508 up to SIL 3
- Safety functions: STO, SLS, SSR, SSM, SS1, SS2, SOS, SBC, SLI, SLP, SDI

Current Rating

- Longer peak current duration (I2T)

Hardware Changes

- Motor connector split in two: Motor phases and signals for temperature sensor and motor brake
- USB-C connector for commissioning
- The product dimensions remain unchanged

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