Service Bulletin - Integrated Encoder

Change log:

[2023:10]

PRODUCT INVOLVED: GD, GDI and NL120Q/X series.

STARTING FROM S/N: DA00014400

ACTION: Encoder SIN/COS electronics changed: new signal conditioning, filtering and digital calibration.

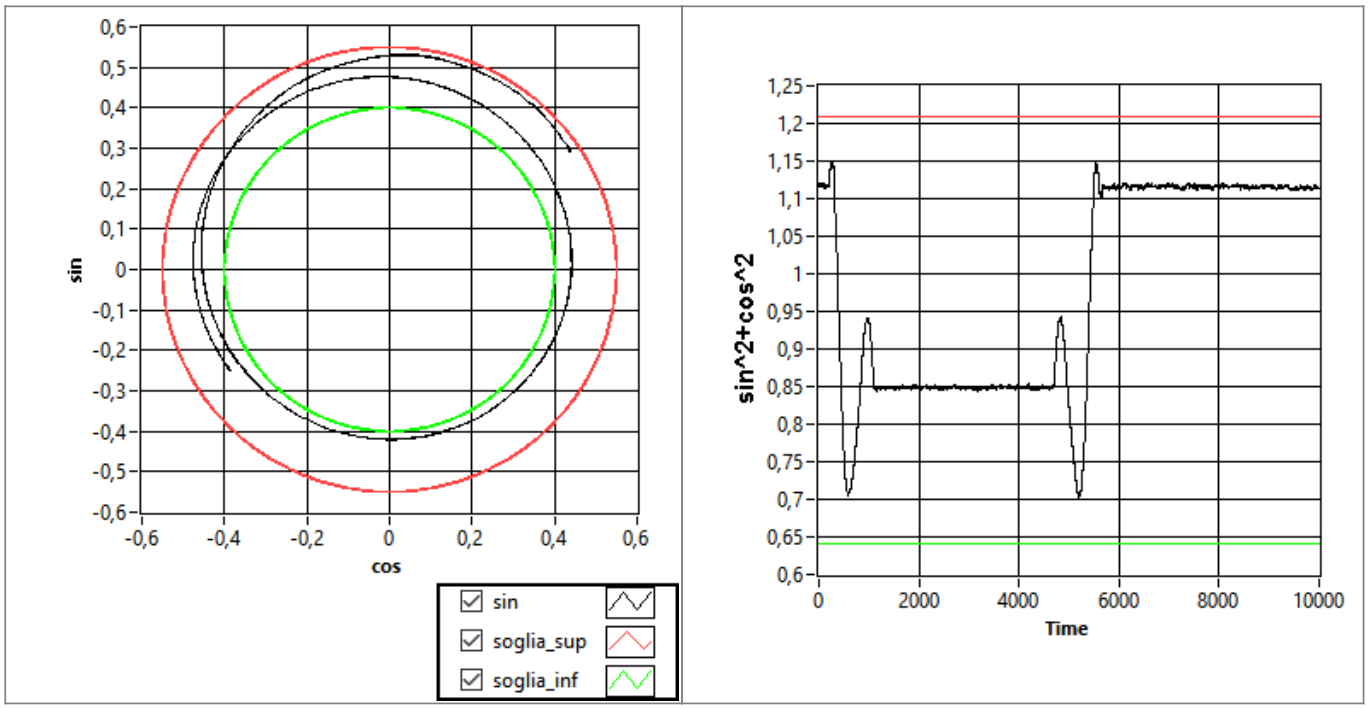
Item
Protection against wrong voltage application, voltage inversion and output protections.
Better signal quality, offset cancellation, and peak-to-peak variation reduction
Digital Filtering

WARNING:

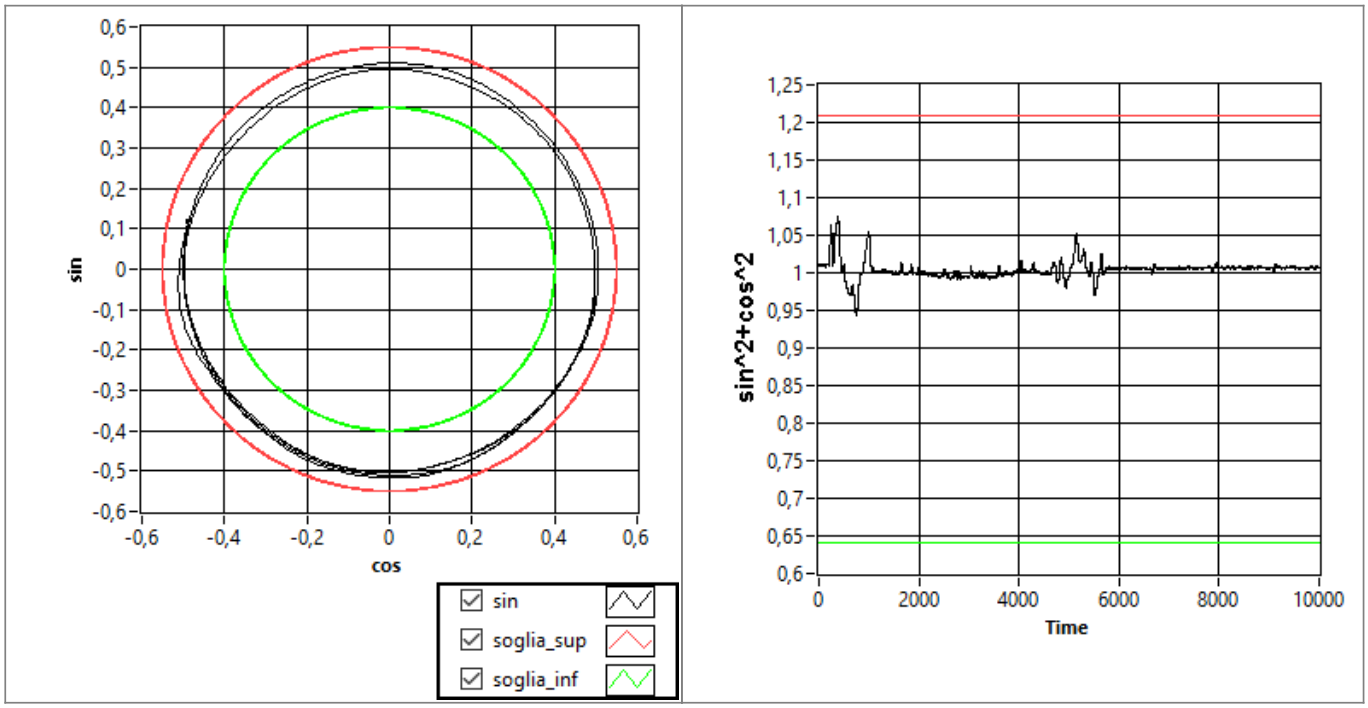
1) New phase angle must be calculated from the servo drive!
2) Possible deviation of the tuning parameters on the servo drive
3) Possible need to retune the offset and gain if a calibration is present on the servo drive.

IMPROVEMENTS:

PREVIOUS ENCODER VERSION:



NEW ENCODER VERSION:



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