

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.

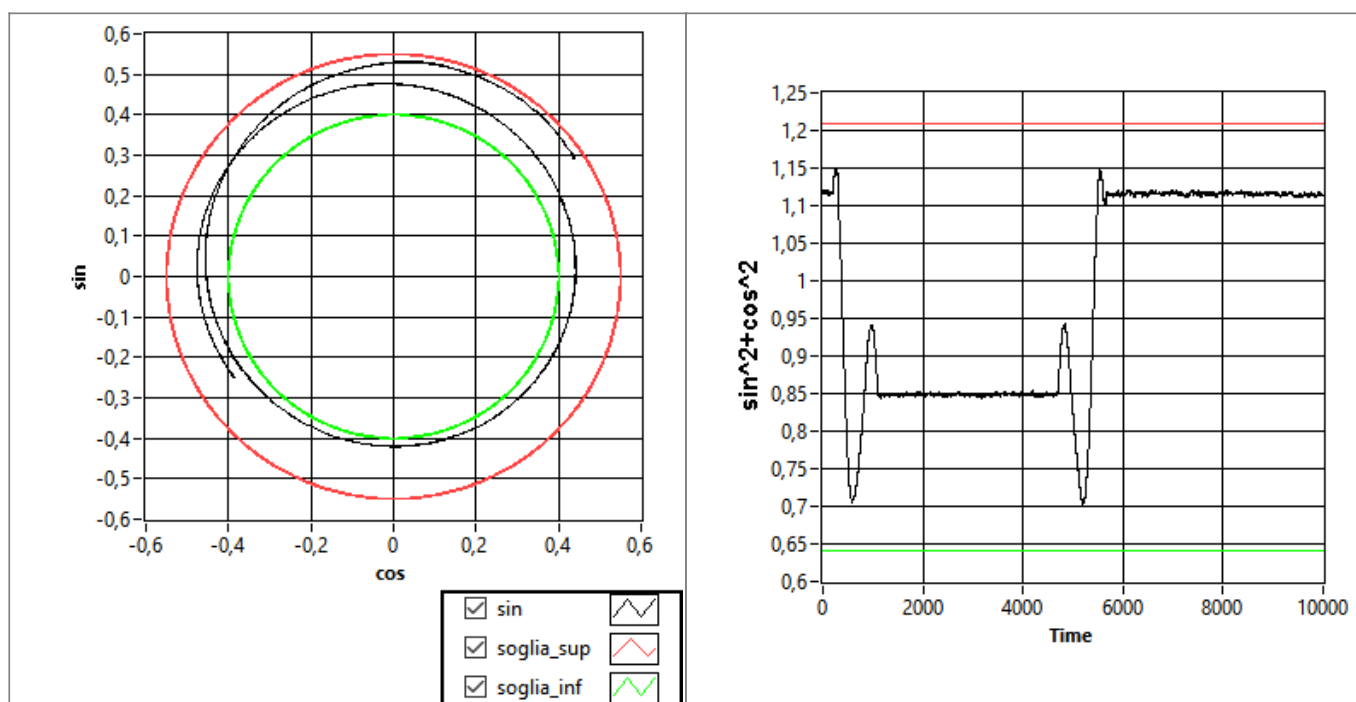
Item
Protection against wrong voltage application, voltage inversion and output protections.
Better signal quality, offset cancellation, and peak-to-peak variation reduction
Digital Filtering

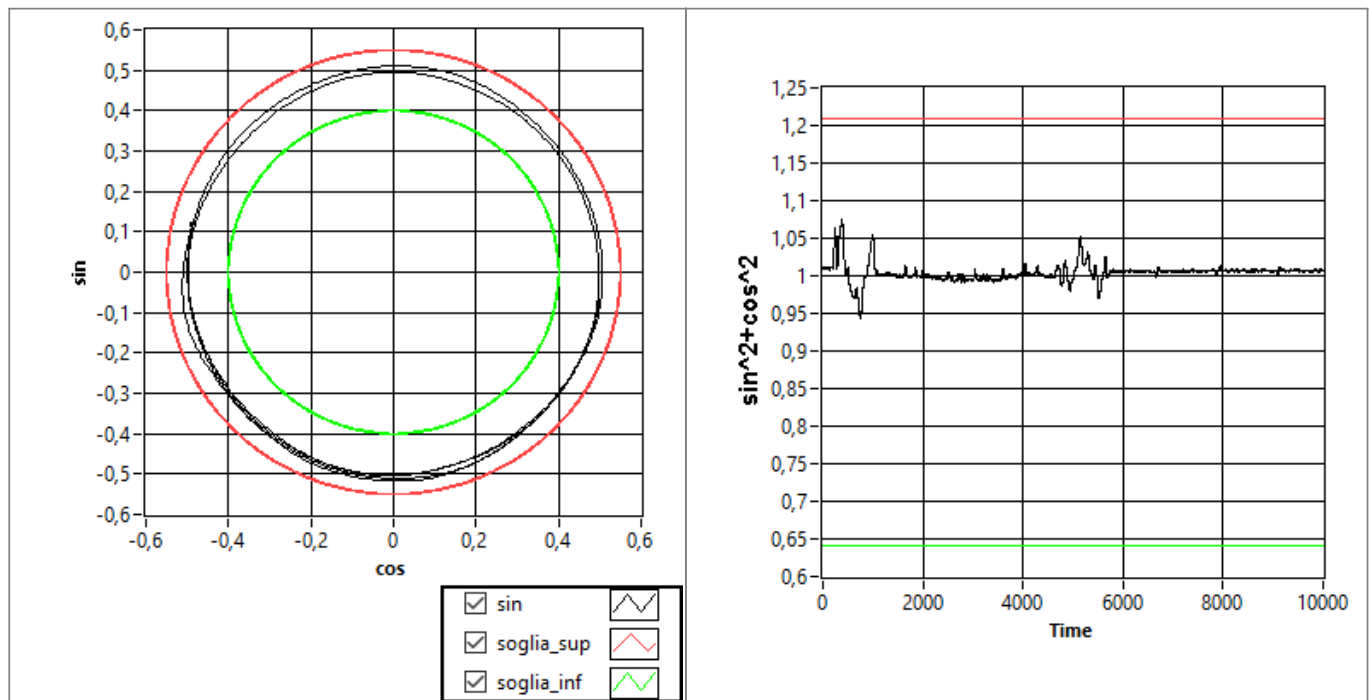
WARNING:

- 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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