

# 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.

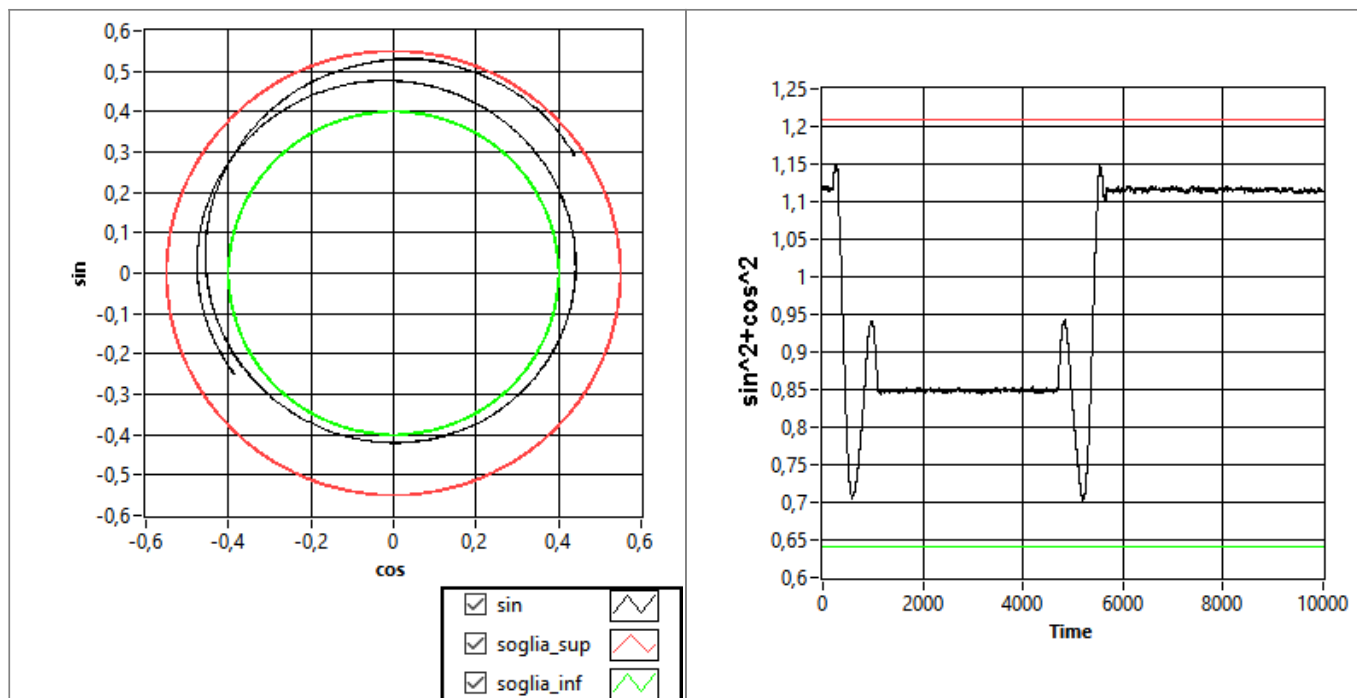
- Protection against wrong voltage application, voltage inversion and output protections.
- Better signal quality, Offset cancellation and Peak to Peak variation reduction
- Digital Filtering

## WARNING:

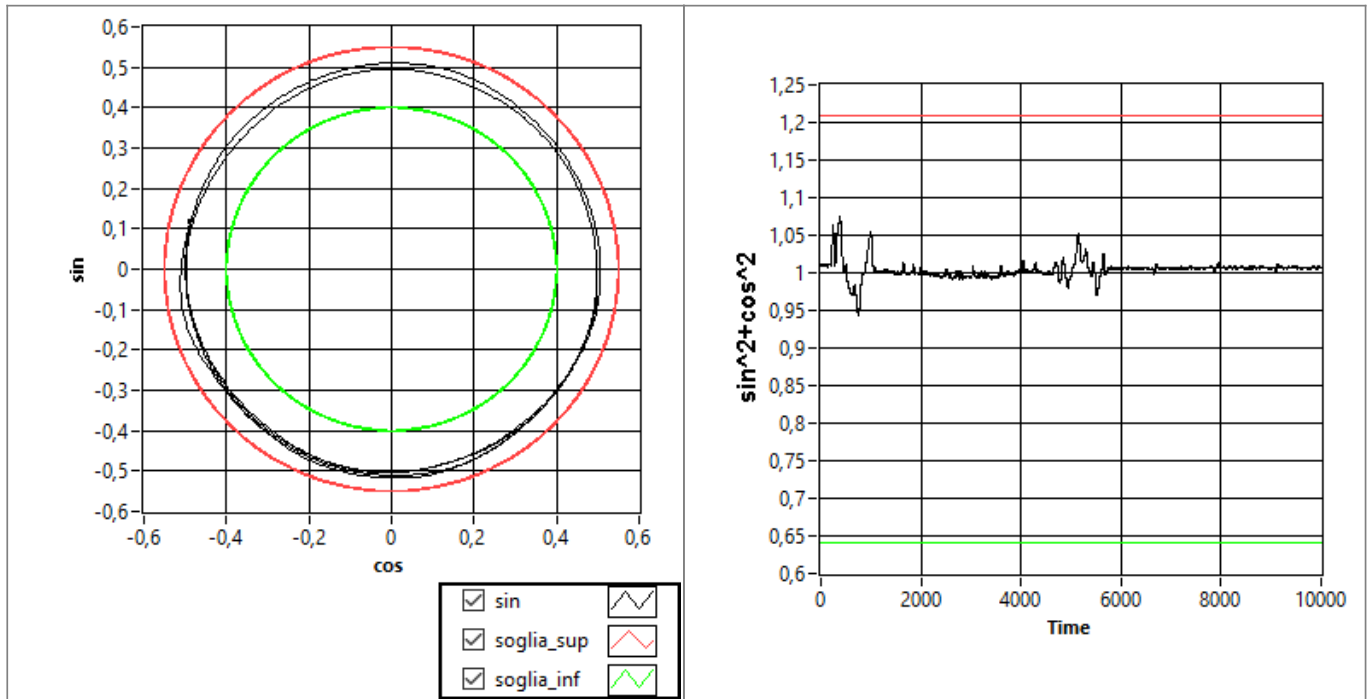
- 1) New phase angle must be calculated from the servo drive !
- 2) Possible deviation of the tuning parameters on the servo drive
- 3) Possible needs to retuning the offset and gain if a calibration on the servo drive is present.

## IMPROVEMENTS:

### PREVIOUS ENCODER VERSION:



### NEW ENCODER VERSION:



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Last update: **2024/02/22 12:11**

