

SK 250E-FDS

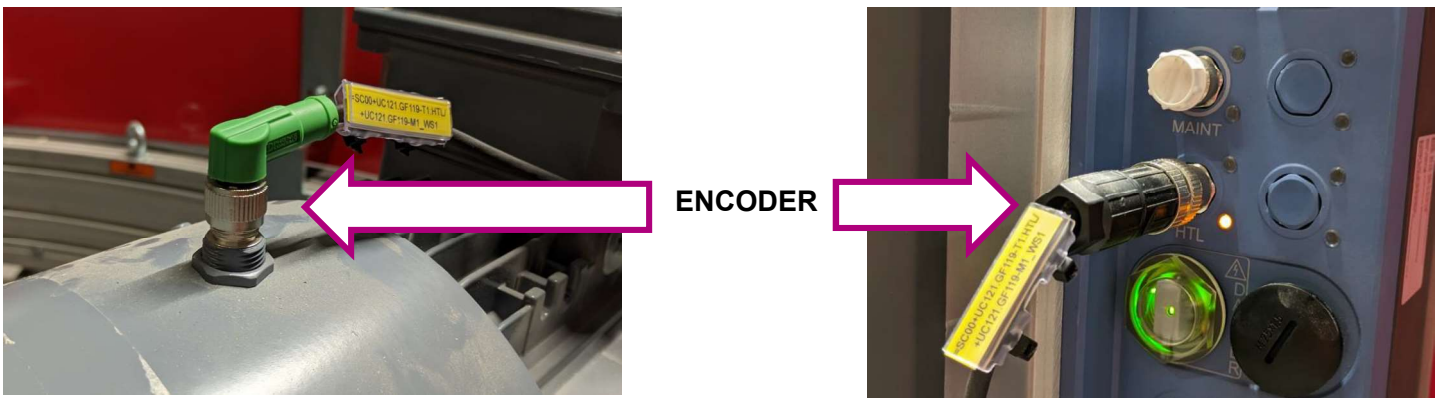


Internal Encoder bypass

The NORD gearmotors may be equipped with an internal encoder (Resolver) externally connected to the HTL port (position M5) on the Drive.

This encoder is used internally by NORD for internal diagnostic (**Slip Error/Slip Delay**) and not by the FIVES applications, but if the Encoder is missing, damaged or not connected (damaged connector) the motor cannot run.

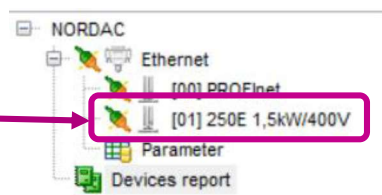
To run the motor without the Encoder, these inverter parameters must be changed via NORDCON or SK PAR-3H:



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Internal Encoder bypass

Double click on the Inverter to open the Parameterize screen
In order to bypass the Encoder, the parameter in
3 Speed Control parameters section must be changed:



P300 (Servo Mode): change **P1** and **P2** to value «[0] Off (VFC Open Loop)».

P327 (Speed Slip Error): change **P1** and **P2** to value «0» rpm.

P328 (Speed Slip Delay): change **P1** and **P2** to value «0» s.

Remember to click on **Send** to apply the modifications.

The screenshots show the 'Parameterize - Ethernet' window for the SK 250E 1,5kW/400V inverter. The '3 Speed control' section is highlighted in red. The parameters are as follows:

Parameter	Actual Value	New Value	Unit
P1: [1] On (CFC closed loop)	[1] On (CFC closed loop)	[0] Off (VFC open loop)	
P2: [1] On (CFC closed loop)	[1] On (CFC closed loop)	[0] Off (VFC open loop)	
P3: [0] Off (VFC open loop)	[0] Off (VFC open loop)	[0] Off (VFC open loop)	
P4: [0] Off (VFC open loop)	[0] Off (VFC open loop)	[0] Off (VFC open loop)	
P327: Speed slip error	500	0	rpm
P328: Speed slip delay	0	0	s