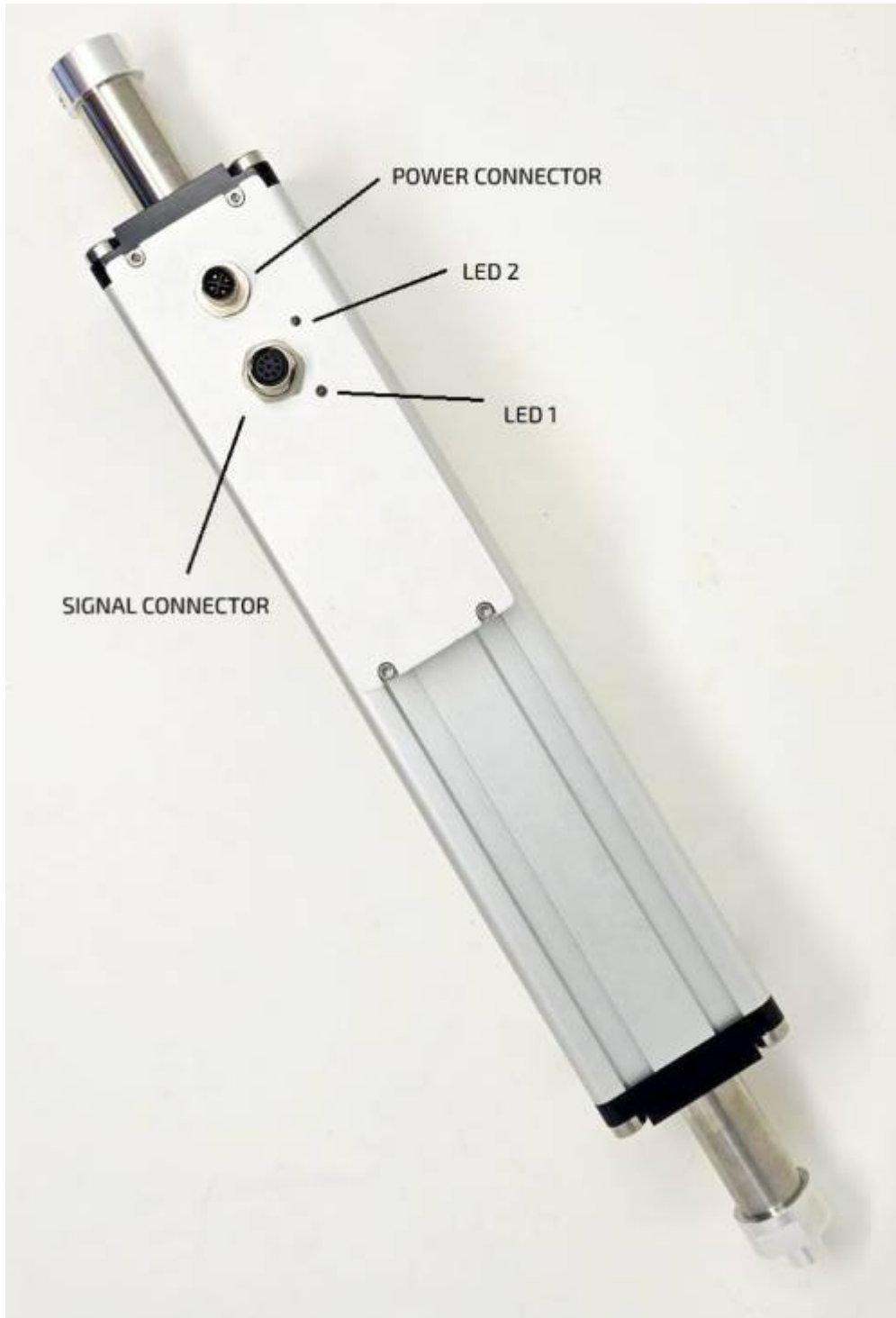


Connections

MODBUS RTU only



LED Indicators

LED	Color	Description / Function
LED 1	Green	Power - Pulsing when motor is in no Fault

LED 2	Red	Blinking when in MODBUS communication with PLC or NiLAB Starter - Fix when the motor is in Fault
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Cables

GDI integrated drive motor is equipped with two M12 connectors.
 For power connector → power female DA00022011 flying leads and for signal connector → signal male DA00012011.



The signal cable DA00012011 terminates with with D-SUB15 male connector with this pinout:

D-SUB 15 Pinout	SIGNAL	DESCRIPTION	FUNCTION
1	RS485_B	Modbus B	
2	RS485_A	Modbus A	
3	GND	Ground	
4	NC	Not connected	
5	NC	Not connected	
6	GND	Ground	
7	GND	Ground	
8	DIG_IN_0	Digital Input 0 (24V logic)	Enable/Homing
9	DIG_IN_1	Digital Input 1 (24V logic)	Motion trigger
10	DIG_OUT_0	Digital output 0 (24V logic, PNP)	Motor running
11	DIG_OUT_1	Digital output 1 (24V logic, PNP)	Motor fault
12	DIG_OUT_2	Digital output 2 (24V logic, PNP)	Programmable

The programmable output have the following options: In Position, Homing in progress, Overtemp fault, sin/cos fault, I2T fault, Master sync, gripper command. This is programmable with NiLAB Starter software.

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Knowledgebase

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