

MM15D-503-00

MOVIMOT Decentralized Drive Inverter

CONTROLLED ENGINEERING COPY

Confirm the motor nameplate and 380-500 V supply, set the inverter for the connected gearmotor, and test rotation, current, braking, communication, and protective functions before coupling the load.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	MM15D-503-00
Manufacturer part	MM15D-503-00
Hardware type	18215033
System family	MOVIMOT MM..D decentralized drive system



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01 PRE-INSTALLATION PLAN

- 1

Verify MM15D-503-00 and part number 18215033 before replacement.
- 2

Lock out the three-phase mains and wait for the DC link to discharge.
- 3

Confirm motor voltage, current, connection, and braking arrangement.
- 4

Use the approved connection unit, seals, and cable glands.
- 5

Preserve address, control source, ramp, and frequency settings.

MATCHED HARDWARE

- compatible SEW gearmotor
- MOVIMOT connection unit
- approved hybrid motor cable
- fieldbus or digital control interface

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	MM15D-503-00 / MM15D-503-00 recorded
Physical interface	compatible SEW gearmotor
Companion check	MOVIMOT connection unit
Functional proof	Controls a decentralized three-phase gearmotor at the machine
Application test	Conveyor section drive

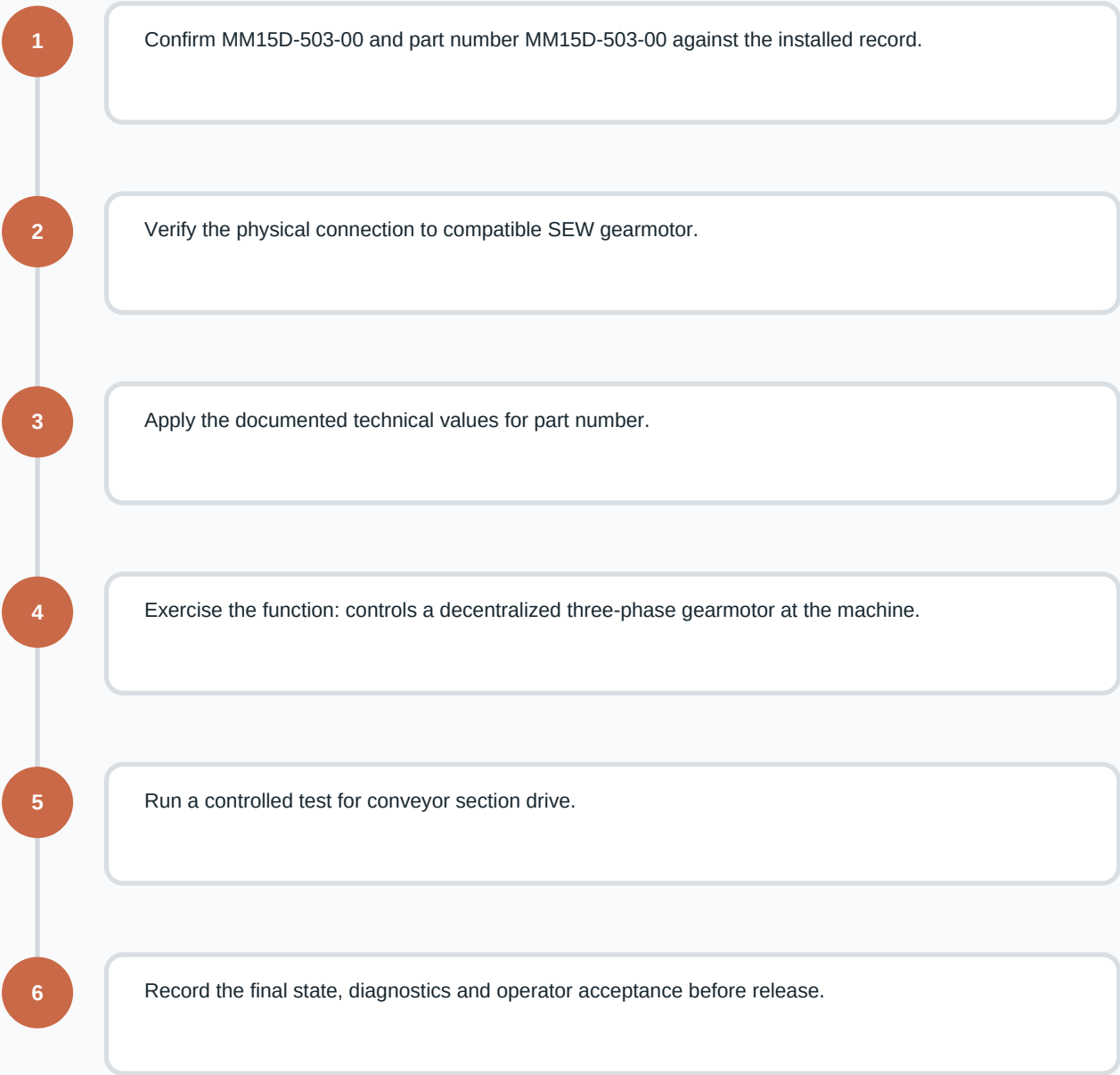
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Part number	18215033
Input	3 x 380 to 500 V AC
Input frequency	50 to 60 Hz
Nominal line current at 400 V	3.5 A AC
Apparent output power	2.8 kVA
Nominal output current	4.0 A AC
Motor power S1	1.5 kW / 2.0 hp
Output voltage	0 to line voltage
Output frequency	2 to 120 Hz
Frequency resolution	0.01 Hz
PWM frequency	4 / 8 / 16 kHz
Power factor	0.99
Maximum motor cable length	15 m with SEW hybrid cable

FIELD NOTE

Confirm the motor nameplate and 380-500 V supply, set the inverter for the connected gearmotor, and test rotation, current, braking, communication, and protective functions before coupling the load.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	MM15D-503-00 / MM15D-503-00 recorded
Physical interface	compatible SEW gearmotor
Companion check	MOVIMOT connection unit
Functional proof	Controls a decentralized three-phase gearmotor at the machine
Application test	Conveyor section drive

04 RETURN-TO-SERVICE RECORD

- ☐
- Check protective earth and hybrid-cable screen termination.

☐☐☐

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Confirm MM15D-503-00 remains assigned to the documented MOVIMOT MM..D decentralized drive system position.
- ☐ Verify the connection to compatible SEW gearmotor and MOVIMOT connection unit.
- ☐ Exercise the intended function: controls a decentralized three-phase gearmotor at the machine.
- ☐ Retain the diagnostic and functional-test result for conveyor section drive.

SOURCE IDENTIFIERS

MOVIMOT MM..D Operating Instructions
MM15D-503-00 / 18215033

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