

1766-L32BXB

MicroLogix 1400 32-point controller

CONTROLLED ENGINEERING COPY

Verify 24 VDC polarity, fast-I/O assignments, relay commons, serial protocol and Ethernet parameters; do not substitute the visually similar BWA or BXBA catalog numbers.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	1766-L32BXB
Manufacturer part	1766-L32BXB
Hardware type	1766-L32BXB
System family	Allen-Bradley MicroLogix 1400 control system



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 1766-L32BXB marking and its assigned Allen-Bradley MicroLogix 1400 control system position before work.
- 2

Place the connected standalone machine control process in the approved maintenance state.
- 3

Isolate applicable power and embedded digital i/o, serial communications and ethernet controller data field energy before disconnection.
- 4

Record every connector, conductor, address, firmware and software identity before removal.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- 24 VDC controller supply
- documented MicroLogix 1400 field wiring
- serial and Ethernet networks
- RSLogix 500 project and approved firmware

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	1766-L32BXB / 1766-L32BXB recorded
Physical interface	24 VDC controller supply
Companion check	documented MicroLogix 1400 field wiring
Functional proof	Provides twenty embedded digital inputs
Application test	Standalone machine control

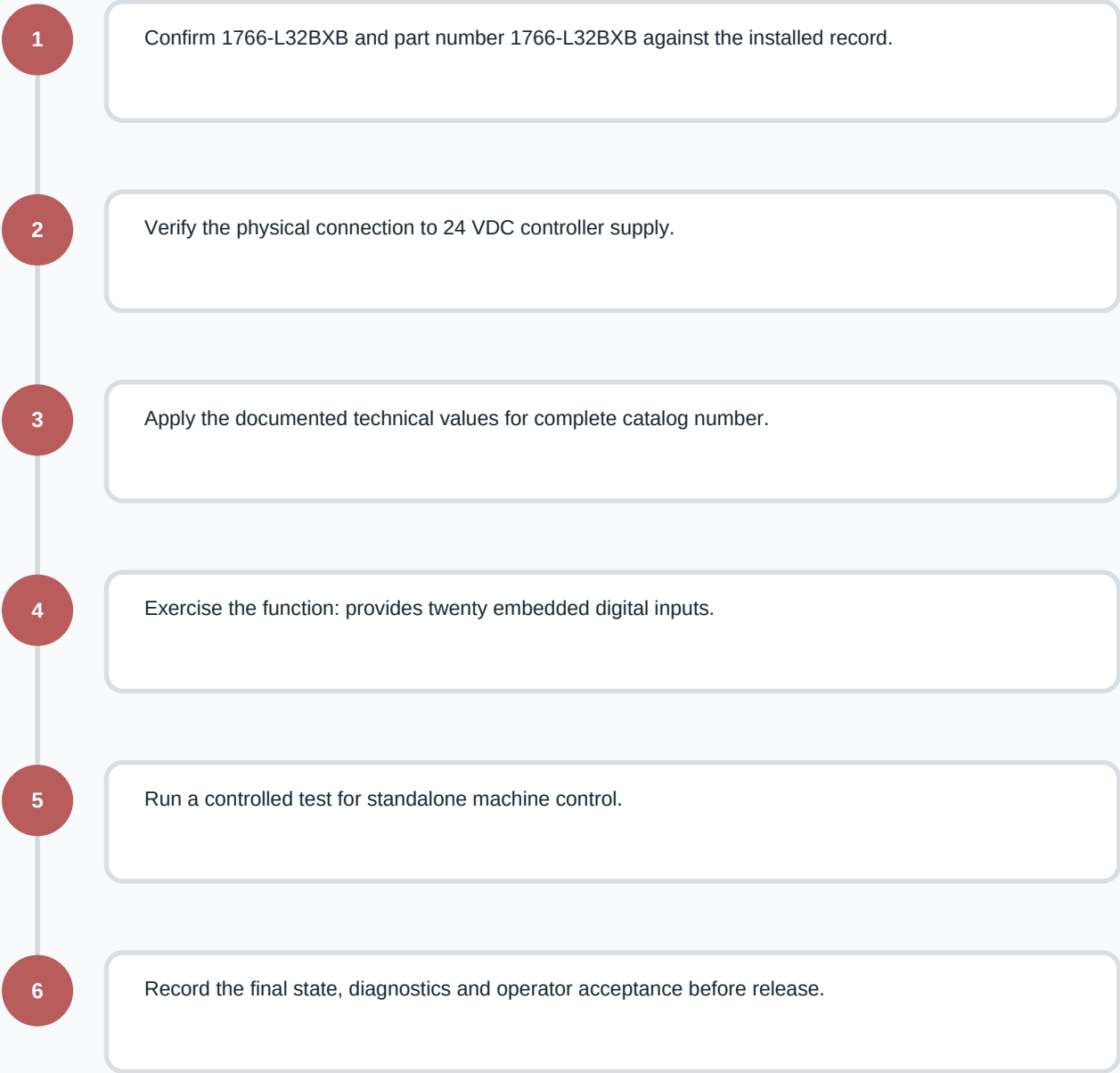
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Complete catalog number	1766-L32BXB
Power supply	24 V DC
Digital inputs	12 fast plus 8 standard 24 V DC inputs
Relay outputs	6
Fast DC outputs	3 fast 24 V DC outputs
Standard DC outputs	3 standard 24 V DC outputs
Total I/O	20 inputs and 12 outputs
User memory	20 KB
Ethernet interface	Isolated Ethernet port
Serial protocols	DF1, DH-485, Modbus RTU, ASCII and DNP3
Ethernet protocols	EtherNet/IP messaging, Modbus TCP/IP and DNP3 over IP
Embedded analog	None
Lifecycle status	Active Mature
Installation publication	1766-IN001

FIELD NOTE

Verify 24 VDC polarity, fast-I/O assignments, relay commons, serial protocol and Ethernet parameters; do not substitute the visually similar BWA or BXBA catalog numbers.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	1766-L32BXB / 1766-L32BXB recorded
Physical interface	24 VDC controller supply
Companion check	documented MicroLogix 1400 field wiring
Functional proof	Provides twenty embedded digital inputs
Application test	Standalone machine control

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed 24 VDC controller supply and documented MicroLogix 1400 field wiring against the approved project.
- ☐
- Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐
- Prove the intended mixed relay and high-speed output control function and retain the final test result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	1766-L32BXB
INSTALLED POSITION	Documented Allen-Bradley MicroLogix 1400 control system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
GE IC670MDL330	Related industrial automation product	View GE IC670MDL330 page
GE IC670MDL331	Related industrial automation product	View GE IC670MDL331 page
GE IC670MDL241	Related industrial automation product	View GE IC670MDL241 page
GE IC670MDL240	Related industrial automation product	View GE IC670MDL240 page
Allen-Bradley 22B D4P0N104	Related industrial automation product	View Allen-Bradley 22B D4P0N104 page
GE IC670MDL233	Related industrial automation product	View GE IC670MDL233 page
GE IC670ALG621	Related industrial automation product	View GE IC670ALG621 page
GE IC670ALG630	Related industrial automation product	View GE IC670ALG630 page

SOURCE IDENTIFIERS

Rockwell Automation 1766-L32BXB product record
1766-L32BXB; 1766-IN001

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