

H7506

HIMax and HIQuad Bus Terminal

CONTROLLED ENGINEERING COPY

Install H7506 only at the documented bus endpoint, preserve cable and grounding identity, then verify system-bus diagnostics and communication stability before returning the controller to service.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	H7506
Manufacturer part	H7506
Hardware type	Bus terminal
System family	HIMA HIMax / HIQuad Safety Systems



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify H7506 and the designated bus-end position before disconnection.
- 2

Place the safety system and controlled process in the approved maintenance state.
- 3

Isolate the applicable system supply before opening bus connections.
- 4

Label incoming and outgoing bus cables and preserve their shield arrangement.
- 5

Use ESD controls and inspect terminal contacts for damage or contamination.

MATCHED HARDWARE

- HIMA system bus
- approved HIMax or HIQuad baseplate
- 24 Vdc system supply
- certified communication modules

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	H7506 / H7506 recorded
Physical interface	HIMA system bus
Companion check	approved HIMax or HIQuad baseplate
Functional proof	Terminates the system bus in an approved HIMA installation
Application test	HIMax baseplate bus termination

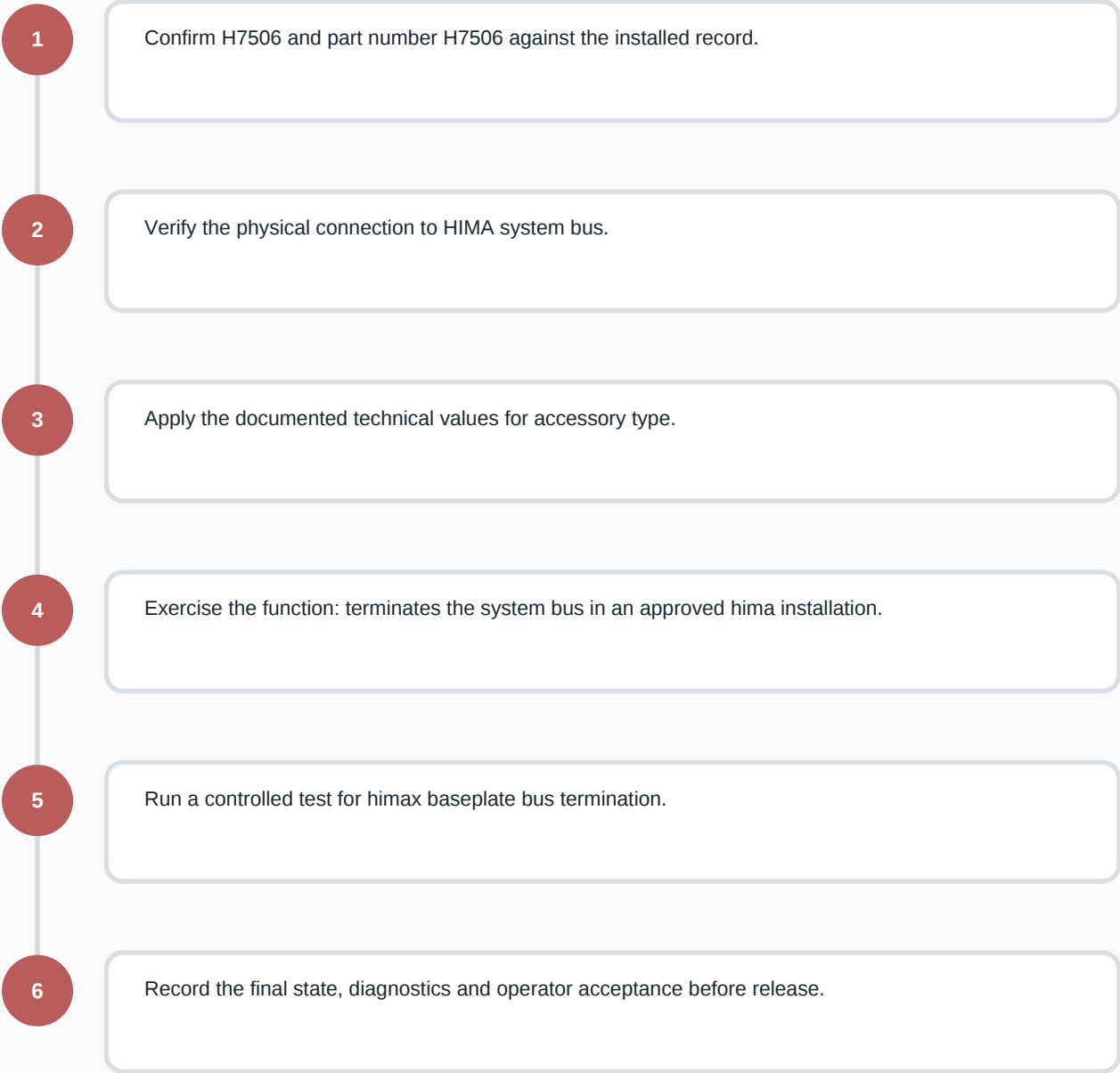
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Accessory type	Bus terminal
Approved system context	HiMax and HIQuad
System supply	24 Vdc
System degree of protection	IP20
Proof-test interval	10 years
MTTF	5794.68 years
Lambda S	1.29E-08 per hour
Lambda DD	6.80E-09 per hour
Lambda DU	6.80E-13 per hour
PFD	8.42E-08
PFH	6.80E-13 per hour
Safe failure fraction	99.99%
Safety integrity level	SIL 3

FIELD NOTE

Install H7506 only at the documented bus endpoint, preserve cable and grounding identity, then verify system-bus diagnostics and communication stability before returning the controller to service.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	H7506 / H7506 recorded
Physical interface	HIMA system bus
Companion check	approved HIMax or HIQuad baseplate
Functional proof	Terminates the system bus in an approved HIMA installation
Application test	HIMax baseplate bus termination

04 RETURN-TO-SERVICE RECORD

- ☐
- Do not move H7506 to an intermediate bus position without an approved topology change.
- ☐
- Restore power and review processor, system-bus and communication diagnostics.
- ☐
- Record the final bus state and controlled communication test before release.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐
- Confirm H7506 remains assigned to the documented HIMA HIMax / HIQuad Safety Systems position.
- ☐
- Verify the connection to HIMA system bus and approved HIMax or HIQuad baseplate.
- ☐
- Exercise the intended function: terminates the system bus in an approved hima installation.
- ☐
- Retain the diagnostic and functional-test result for himax baseplate bus termination.

SOURCE IDENTIFIERS

HIMA Safety-System Type Approval and Functional Safety Data
60213 / 44367

APTER POWER SALES TEAM

WHATSAPP / PHONE+86 180 3023 5313

EMAILsales13@apterpower.com

WEBSITEwww.apterpower.com

