

INDUSTRIAL AUTOMATION PRODUCT

H7506

HIMax and HIQuad Bus Terminal

HIMA H7506 is a bus terminal used in approved HIMax and HIQuad safety-system arrangements. It terminates the installed system bus so communication operates within the documented hardware topology.

IDENTITY	VERIFIED VALUE
Manufacturer	HIMA
System family	HIMA HIMax / HIQuad Safety Systems
Part number	H7506
HS code	8537101190

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named HIMA product record.

PARAMETER	TECHNICAL 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

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System Role and Architecture

HIMA H7506 is a bus terminal used in approved HIMax and HIQuad safety-system arrangements. It terminates the installed system bus so communication operates within the documented hardware topology.

FUNCTION 1

Terminates the system bus in an approved HIMA installation

FUNCTION 2

Supports defined bus-end electrical conditions for system communication

FUNCTION 3

Forms part of the certified HIMax and HIQuad accessory set

FUNCTION 4

Provides a replaceable bus-interface endpoint for maintenance

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	HIMA system bus
Companion hardware	approved HIMax or HIQuad baseplate
Field connection	24 Vdc system supply
Primary system function	Terminates the system bus in an approved HIMA installation
Controlled acceptance duty	HIMax baseplate bus termination

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Applications and Engineering Context

HIMax baseplate bus termination

Terminates the system bus in an approved HIMA installation

HIQuad safety-controller communication

Supports defined bus-end electrical conditions for system communication

Bus-end replacement during cabinet service

Forms part of the certified HIMax and HIQuad accessory set

Safety-system communication fault isolation

Provides a replaceable bus-interface endpoint for maintenance

TECHNICAL 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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	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

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Engineering Precautions

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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
52100	Planar4 time delay element	Open product page
K7214	HIQuad X current distribution	Open product page
H7506	HIMax and HIQuad bus terminal	Open product page

MANUFACTURER SOURCE RECORD

HIMA Safety-System Type Approval and Functional Safety Data

60213 / 44367

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