

INDUSTRIAL AUTOMATION PRODUCT

K7214

24 Vdc Fusing and Current Distribution Assembly

HIMA K7214 is a 24 Vdc fusing and current-distribution assembly for HIQuad X installations. It distributes cabinet power through eighteen circuit-breaker positions within the approved current architecture.

IDENTITY	VERIFIED VALUE
Manufacturer	HIMA
System family	HIMA HIQuad X Safety System
Part number	K7214
HS code	8537101190

APTER POWER SALES TEAM

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2

Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Assembly function	Fusing and current distribution
Rated distribution current	120 A
Circuit-breaker slots	18
Distribution voltage	24 Vdc
System family	HIQuad X
Equipment class	Power supply current and distribution

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	HIQuad X safety cabinet
Companion hardware	24 Vdc cabinet supply
Field connection	eighteen approved circuit breakers
Primary system function	Distributes 24 Vdc power through eighteen protected branch positions
Controlled acceptance duty	Safety-controller cabinet power distribution

3

System Role and Architecture

HIMA K7214 is a 24 Vdc fusing and current-distribution assembly for HIQuad X installations. It distributes cabinet power through eighteen circuit-breaker positions within the approved current architecture.

FUNCTION 1

Distributes 24 Vdc power through eighteen protected branch positions

FUNCTION 2

Provides a centralized fusing point for HIQuad X cabinet circuits

FUNCTION 3

Supports documented 120 A current-distribution architecture

FUNCTION 4

Separates branch-circuit protection for service and fault isolation

Matched system components

- HIQuad X safety cabinet
- 24 Vdc cabinet supply
- eighteen approved circuit breakers
- protected module and field branches

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	HIQuad X safety cabinet
Companion hardware	24 Vdc cabinet supply
Field connection	eighteen approved circuit breakers
Primary system function	Distributes 24 Vdc power through eighteen protected branch positions
Controlled acceptance duty	Safety-controller cabinet power distribution

4

Applications and Engineering Context

Safety-controller cabinet power distribution

Distributes 24 Vdc power through eighteen protected branch positions

Protected 24 Vdc I/O branch supply

Provides a centralized fusing point for HIQuad X cabinet circuits

Cabinet circuit-breaker organization

Supports documented 120 A current-distribution architecture

Power-distribution maintenance and fault isolation

Separates branch-circuit protection for service and fault isolation

TECHNICAL NOTE

Confirm feeder polarity, prospective current and branch identification, install the approved circuit breakers, then test each 24 Vdc branch separately before energizing the complete HIQuad X cabinet.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	K7214 / K7214 recorded
Physical interface	HIQuad X safety cabinet
Companion check	24 Vdc cabinet supply
Functional proof	Distributes 24 Vdc power through eighteen protected branch positions
Application test	Safety-controller cabinet power distribution

5

Engineering Precautions

1

Verify K7214 and its assigned cabinet position before installation.

2

Open and secure all upstream 24 Vdc feeders before touching the distribution assembly.

3

Record every branch label, breaker rating and downstream load before replacement.

4

Confirm the installed arrangement remains within the documented 120 A distribution architecture.

5

Use only approved circuit breakers in the eighteen designated positions.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
H7506	HIMA bus terminal	Open product page
52100	Planar4 time delay element	Open product page
K7214	24 Vdc fusing and current distribution	Open product page

MANUFACTURER SOURCE RECORD

HIQuad X Type Approval Certificate

61633

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