

INDUSTRIAL AUTOMATION PRODUCT

05704-A-0123

System 57 Fire Relay Interface Assembly

Honeywell 05704-A-0123 is the Fire Relay Interface Assembly for the System 57 5704F control system. It connects the expansion relay card and exposes twelve configurable fire-system contacts.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	System 57 5704F Control System
Part number	05704-A-0123
Country	USA
HS code	8537101190

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Assembly function	Fire relay interface
Relay outputs	12
Changeover relays	8 SPDT
Additional relays	4 SPST
Rack occupancy with paired cards	2 slots

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	System 57 rack
Companion hardware	Four Channel Control Card
Field connection	Hex Relay Interface Card
Primary system function	Adds twelve relay outputs to a four-channel control card
Controlled acceptance duty	Fire-zone alarm relays

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System Role and Architecture

Honeywell 05704-A-0123 is the Fire Relay Interface Assembly for the System 57 5704F control system. It connects the expansion relay card and exposes twelve configurable fire-system contacts.

FUNCTION 1

Adds twelve relay outputs to a four-channel control card

FUNCTION 2

Provides configurable fire, fault and inhibit contacts

FUNCTION 3

Supports individual and master relay assignments

FUNCTION 4

Interfaces the relay card to System 57 field wiring

Matched system components

- System 57 rack
- Four Channel Control Card
- Hex Relay Interface Card
- Expansion relay card

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	System 57 rack
Companion hardware	Four Channel Control Card
Field connection	Hex Relay Interface Card
Primary system function	Adds twelve relay outputs to a four-channel control card
Controlled acceptance duty	Fire-zone alarm relays

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Applications and Engineering Context

Fire-zone alarm relays

Adds twelve relay outputs to a four-channel control card

Master fire and fault annunciation

Provides configurable fire, fault and inhibit contacts

Inhibit-status signaling

Supports individual and master relay assignments

Gas-detection shutdown interfacing

Interfaces the relay card to System 57 field wiring

TECHNICAL NOTE

Confirm the paired control and relay cards occupy the documented slots, verify each relay assignment and test fire, fault and inhibit outputs without bypassing active protection.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	05704-A-0123 / 05704-A-0123 recorded
Physical interface	System 57 rack
Companion check	Four Channel Control Card
Functional proof	Adds twelve relay outputs to a four-channel control card
Application test	Fire-zone alarm relays

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Engineering Precautions

1

Verify the complete 05704-A-0123 marking and its assigned System 57 5704F Control System position before work.

2

Isolate the energy associated with System 57 rack before disconnecting 05704-A-0123.

3

Protect the 05704-A-0123 connectors and electronic assembly using approved ESD controls.

4

Record the as-found Four Channel Control Card connections and configured assignment before replacement.

5

Confirm Hex Relay Interface Card matches the approved installation record for 05704-A-0123.

6

Restore 05704-A-0123 under controlled conditions and review its model-specific diagnostics.

7

Complete a documented functional test for fire-zone alarm relays before release.

CONFIGURATION VERIFICATION MATRIX

- **INSTALLED POSITION** System 57 rack
- **COMPANION HARDWARE** Four Channel Control Card
- **FUNCTIONAL DUTY** Adds twelve relay outputs to a four-channel control card
- **ACCEPTANCE APPLICATION** Fire-zone alarm relays

MANUFACTURER SOURCE RECORD

Honeywell System 57 5704F Control System Manual

MAN0546.PM6 / 05704M5002

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