

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.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

System 57 5704F Control System

PART

05704-A-0123

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PRODUCT OVERVIEW

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.

1

Adds twelve relay outputs to a four-channel control card

2

Provides configurable fire, fault and inhibit contacts

3

Supports individual and master relay assignments

4

Interfaces the relay card to System 57 field wiring

SYSTEM COMPONENTS

System 57 rack

Four Channel Control Card

Hex Relay Interface Card

Expansion relay card

TECHNICAL DATA

PARAMETER	VALUE
Assembly function	Fire relay interface
Relay outputs	12
Changeover relays	8 SPDT

PARAMETER	VALUE
Additional relays	4 SPST
Rack occupancy with paired cards	2 slots

SYSTEM CONNECTION AND ACCEPTANCE RECORD

RECORD ITEM	DOCUMENTED 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

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.

ENGINEER FAQ

Q1 What should be checked if 05704-A-0123 does not support master fire and fault annunciation after installation?

Check seating, Four Channel Control Card, Hex Relay Interface Card, field energy and the model-specific diagnostics before replacing additional hardware.

Q2 What evidence should be retained after 05704-A-0123 returns to service?

Retain the full model identity, as-left connections, configuration, diagnostic result and the final controlled test record for fire-zone alarm relays.

Q3 How is 05704-A-0123 identified before installation in a System 57 5704F Control System cabinet?

Match the full 05704-A-0123 marking and part number 05704-A-0123 to the assigned position and installed System 57 rack.

Q4 Which companion hardware must be checked when replacing 05704-A-0123?

Verify System 57 rack, Four Channel Control Card and Hex Relay Interface Card against the approved cabinet and project record before fitting the System 57 Fire Relay Interface Assembly.

Q5 What wiring information should be recorded before removing 05704-A-0123?

Record terminal identifiers, polarity or phase, shields, cable tags and the as-found channel or port assignment for 05704-A-0123.

Q6 How should engineers validate 05704-A-0123 after configuration?

Restore the documented System 57 5704F Control System assignment, review diagnostics and run a controlled test of its role: adds twelve relay outputs to a four-channel control card.

Q7 Can 05704-A-0123 be moved to a different slot or duty without review?

No. Confirm keying, companion hardware and the approved configuration before assigning 05704-A-0123 to another position or function.

Q8 Which technical value is especially important during 05704-A-0123 commissioning?

Verify Rack occupancy with paired cards is 2 slots and use the named manufacturer procedure for the controlled functional test.

SOURCE Honeywell System 57 5704F Control System Manual | MAN0546.PM6 / 05704M5002

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