

CPCHAS-0001

Safety Manager Controller Chassis

Honeywell CPCHAS-0001 is the Safety Manager controller chassis that houses processor hardware and provides its backplane connections.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Safety Manager

PART

CPCHAS-0001

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CPCHAS-0001

PRODUCT OVERVIEW

Honeywell CPCHAS-0001 is the Safety Manager controller chassis that houses processor hardware and provides its backplane connections.

1

Houses Safety Manager controller modules

2

Provides the controller backplane

3

Supports redundant controller arrangements

4

Maintains keyed module positions

SYSTEM COMPONENTS

Safety Manager controller modules

Approved cabinet mounting

Controller power modules

Backplane and chassis connectors

TECHNICAL DATA

PARAMETER	VALUE
Chassis function	Controller housing and backplane
Controller arrangement	Nonredundant or redundant
Module family	Safety Manager

PARAMETER	VALUE
Mounting	Cabinet chassis
Backplane	Integrated

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TECHNICAL NOTE

Inspect the chassis backplane, guide rails, slot keys and grounding bond before seating controller or redundancy modules.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Emergency shutdown controllers

Houses Safety Manager controller modules

Fire and gas controller cabinets

Provides the controller backplane

Burner management processors

Supports redundant controller arrangements

SIL-rated logic solver panels

Maintains keyed module positions

PRODUCT PRECAUTIONS

- 1 Verify the complete CPCHAS-0001 marking and its assigned Safety Manager position before work.
- 2 Isolate the applicable power and field energy before disconnecting CPCHAS-0001.
- 3 Protect CPCHAS-0001 connectors and electronic assemblies with approved ESD controls.
- 4 Record the installed wiring, channel assignment and configuration before replacement.
- 5 Match Safety Manager controller modules and Approved cabinet mounting to the documented system arrangement.
- 6 Commission CPCHAS-0001 with controlled status, signal and diagnostic checks.
- 7 Retain the final emergency shutdown controllers functional-test result in the maintenance record.

ENGINEER FAQ

Q1 Does CPCHAS-0001 match Safety Manager controller modules in a Emergency shutdown controllers installation?

Verify the complete CPCHAS-0001 marking, the documented Safety Manager position and the installed Safety Manager controller modules before fitting the assembly.

Q2 How should CPCHAS-0001 be wired when it must houses safety manager controller modules?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for CPCHAS-0001; then continuity-test the affected path.

Q3 Which Safety Manager records should be captured before removing CPCHAS-0001?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with CPCHAS-0001 before disconnection.

Q4 What controlled test confirms that CPCHAS-0001 can provides the controller backplane?

Apply the approved field or simulated stimulus, observe the Safety Manager indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which Approved cabinet mounting condition should be checked when CPCHAS-0001 reports an abnormal state?

Check the Approved cabinet mounting supply, seating and connection first, then compare channel diagnostics with the recorded CPCHAS-0001 baseline.

Q6 Can CPCHAS-0001 be moved directly into Fire and gas controller cabinets without validating Backplane and chassis connectors?

No. Confirm the Backplane and chassis connectors, revision, connection scheme and Safety Manager configuration before transferring CPCHAS-0001 to that duty.

Q7 What maintenance evidence is required after CPCHAS-0001 is used for Burner management processors?

Retain the nameplate record, corrective action, final diagnostics and a controlled burner management processors functional-test result for CPCHAS-0001.

Q8 How should CPCHAS-0001 be returned to service in SIL-rated logic solver panels?

Restore power under control, verify supports redundant controller arrangements, exercise the intended signal path and release CPCHAS-0001 only after the Safety Manager remains in its approved operating state.

SOURCE Honeywell Safety Manager Hardware Reference | EP-SM.MAN.6284 R162

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