F4204

Six-Channel Safety-Related OR Gate Module

HIMA F4204 is a six-channel safety-related or gate module for HIMA Planar F. It provides six-channel safety-related OR logic with a five-channel diode pre-unit in the documented installed system.

PRODUCT SNAPSHOT

BRAND HIMA	FAMILY HIMA Planar F
PART F4204	DOCUMENT STATUS Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

WEBSITE

www.apterpower.com

PRODUCT OVERVIEW

HIMA F4204 occupies the documented HIMA Planar F hardware position and interfaces the installed cabinet circuits with the approved control architecture.

- Exact HIMA F4204 identity
- HIMA Planar F
- 98 1420402
- Controlled replacement and acceptance

RELATED APTER POWER PAGES

1. HIMA Z7108
2. HIMA Z7150
3. HIMA Z1006
4. HIMA 52100
5. HIMA 42300
6. HIMA K7214
7. HIMA F8620-11
8. HIMA F7553

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The module must remain matched to its exact rack position, wiring and engineering record. Commissioning restores the approved architecture and verifies six-channel safety-related OR logic with a five-channel diode pre-unit before the affected function is returned to service.

TECHNICAL DATA

PARAMETER	VALUE
Exact model	F4204
System family	Planar F
HIMA part number	98 1420402
Logic channels	6

PARAMETER	VALUE
Module function	Safety-related OR gate
Diode pre-unit	5 channels
Requirement class	RC 6
Listed alternative	42300

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TECHNICAL NOTE

Match HIMA F4204 to the complete nameplate and controlled cabinet record. Preserve all as-found wiring, rack position and connected circuits; after replacement, verify diagnostics and six-channel safety-related OR logic with a five-channel diode pre-unit under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Installed-system replacement

Restores the exact HIMA F4204 position without borrowing values from a nearby model.

Controlled cabinet maintenance

Supports isolation, as-found documentation and disciplined wiring restoration.

Legacy-system continuity

Maintains the validated HIMA Planar F architecture and lifecycle record.

Functional recommissioning

Verifies six-channel safety-related OR logic with a five-channel diode pre-unit before process or safety release.

PRODUCT PRECAUTIONS

1. Confirm the complete HIMA F4204 marking and the controlled cabinet record.
2. Place the controller and affected safety or control function in the approved maintenance state.
3. Isolate every connected energy source and prove the affected circuits safe.
4. Record the installed position, terminals, cables, contacts, indicators and configuration.
5. Verify every exact electrical or lifecycle value in the cited manufacturer evidence.
6. Restore protective earth, wiring, mechanical retention and the approved system arrangement.
7. Energize under control and review rack, module, channel and process diagnostics.
8. Complete a controlled functional test of six-channel safety-related OR logic with a five-channel diode pre-unit before release.

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ENGINEER FAQ

Q1 What exact hardware is HIMA F4204?

HIMA F4204 is the documented six-channel safety-related or gate module used for six-channel safety-related OR logic with a five-channel diode pre-unit.

Q2 Which system family contains HIMA F4204?

The manufacturer evidence associates HIMA F4204 with HIMA Planar F.

Q3 Which identity detail must be matched for HIMA F4204?

Match the complete HIMA F4204 marking and hima part number 98 1420402 where that value is listed.

Q4 What must be recorded before removing HIMA F4204?

Record HIMA F4204, its rack position, wiring or contacts, connected circuits, protective earth and the controlled cabinet drawing.

Q5 Can HIMA F4204 be replaced from a similar model description?

No. HIMA F4204 must be matched by exact model, documented interfaces and the approved system record.

Q6 How should HIMA F4204 be isolated for service?

Place the affected function in its approved maintenance state, isolate all connected energy and prove the HIMA F4204 circuits safe before handling.

Q7 What must be checked after installing HIMA F4204?

Verify the HIMA F4204 position, wiring, indicators, controller diagnostics and every affected channel or power path under controlled conditions.

Q8 What proves HIMA F4204 is ready for service?

A recorded acceptance test must confirm that HIMA F4204 performs six-channel safety-related OR logic with a five-channel diode pre-unit without unexpected diagnostics or process response.

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SOURCE HIMA list of discontinued products, revision 18 | HIMA manufacturer evidence

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com