HIMA

F3349

Eight-Channel Digital Output Module

HIMA F3349 is an eight-channel safety-related digital output module for 24 V or 48 V DC loads. Documented features include line monitoring, electronic short-circuit protection and open-circuit supervision.

System position

Exact identity	System family	Functional role	Release basis
F3349	HIMA safety-related I/O	Digital Output Module	Recorded test and diagnostics

Keep the hardware and configuration identities together

F3349 drives eight monitored DC output channels in a safety-related I/O arrangement, with each field circuit matched to the documented voltage, load and diagnostic behavior.

IDENTITY / RESOURCE	DOCUMENTED VALUE
Exact model	F3349
Module type	Safety-related digital output
Output channels	8
Nominal output voltage	24 V DC or 48 V DC
Maximum output current	500 mA per documented channel
Monitoring	Line and open-circuit supervision

Technical evidence record: HIMA certificates 59904, 61625 and 61633

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Interfaces and integration

Define the installed role

F3349 drives eight monitored DC output channels in a safety-related I/O arrangement, with each field circuit matched to the documented voltage, load and diagnostic

Exact model	F3349
Module type	Safety-related digital output
Output channels	8

Map the host relationship

The complete F3349 identity is matched to the host position, companion hardware and retained engineering record before any connection is disturbed.

Host	HIMA safety-related I/O
Primary role	monitored switching of eight safety-related 24/48 V DC
Acceptance	Diagnostics and functional response

Interface control matrix

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Electrical	Power, field wiring and protective earth
Communication	Address, network and companion configuration
Configuration	Switches, parameters, project and revision
Release	Controlled test with retained result

Configuration continuity

Retain the recorded HIMA safety-related I/O position, connected interfaces and configuration

Acceptance evidence

Release F3349 only after diagnostics and a controlled functional result are recorded.

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Technical resource bands

Only values tied to the complete product identity are listed. Installation-specific settings remain governed by the controlled site record.

PARAMETER	VALUE
Exact model	F3349
Module type	Safety-related digital output
Output channels	8
Nominal output voltage	24 V DC or 48 V DC
Maximum output current	500 mA per documented channel

PARAMETER	VALUE
Monitoring	Line and open-circuit supervision
Protection	Electronic short-circuit protection
Safety classification	SIL 3 in documented application
Revision record	Revisions 00 and 01 listed
Acceptance	Command, load and channel diagnostics

Identity decision

Accept only the complete F3349 marking and the recorded hardware execution.

Host decision

Confirm the receiving HIMA safety-related I/O position and every companion component.

Interface decision

Compare mechanical fit, power, field wiring, communication and protective earth.

Release decision

Record diagnostics and a controlled test of monitored switching of eight safety-related 24/48 V DC output circuits before handover.

Engineering boundary

Use F3349 only after the exact host, installed position, companion parts, protection measures and commissioning record have been matched. Do not borrow ratings from a similar-looking variant.

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Controls and service logic

Installed-system renewal

Restores the documented F3349 position while keeping the approved host and interfaces.

Controlled maintenance

Supports as-found recording, safe isolation and exact connection restoration.

Compatibility review

Compares the full marking, host, connectors, settings and companion hardware.

Commissioning evidence

Records diagnostics and a controlled functional test of monitored switching of eight safety-related 24/48 V

Service decision path

STEP	REQUIRED OUTCOME
1. Identify	Read F3349 and all companion markings
2. Compare	Host, position, connections, settings and revision
3. Install	Restore wiring, shielding, retention and protection
4. Verify	Review diagnostics and execute controlled function test

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Engineering decisions

What does F3349 identify?

F3349 identifies the eight-channel digital output module used for monitored switching of eight safety-related 24/48 V DC output circuits.

Which installed system must F3349 match?

Match F3349 to the recorded HIMA safety-related I/O host, position and companion hardware.

Which markings must be checked on F3349?

Verify the complete F3349 text and every suffix, revision or assembly marking on the supplied item.

What should be recorded before removing F3349?

Record the slot, connectors, cable labels, switches, parameters, adjacent hardware and diagnostic state.

Can F3349 be replaced by appearance alone?

No. F3349 requires an exact identity and interface match against the installed-system record.

How should F3349 be isolated?

Use the approved maintenance state, remove connected energy and prove the affected circuit safe.

Related Apter Power pages

HIMA F60CPU03 — View product page

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