10300/1/1

Coated 24 Vdc to 5 Vdc Power Converter

Honeywell 10300/1/1 is a conformally coated 24 Vdc-to-5 Vdc, 12 A power converter. It supplies five-volt power to the configured Safety Manager cabinet electronics.

PRODUCT SNAPSHOT

BRAND	Honeywell
FAMILY	Safety Manager
PART	136-010875B
ORIGIN / HS	USA / 8537101190

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10300/1/1

PRODUCT OVERVIEW

Honeywell 10300/1/1 is a conformally coated 24 Vdc-to-5 Vdc, 12 A power converter. It supplies five-volt power to the configured Safety Manager cabinet electronics.

1. Converts cabinet 24 Vdc into the five-volt system supply
2. Feeds Safety Manager chassis electronics
3. Supports multi-supply cabinet arrangements
4. Provides a coated converter assembly

SYSTEM COMPONENTS

- Safety Manager chassis
- 24 Vdc cabinet feed
- Five-volt distribution path
- Converter mounting hardware

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
10002/1/2	FSC control and I/O system module	**Open product page**
10005/1/1	FSC system module	**Open product page**
10012/1/2	FSC system interface module	**Open product page**
10014/F/F	FSC dual RS-232 communication module	**Open product page**

TECHNICAL DATA

PARAMETER	VALUE
Input voltage	24 Vdc
Output voltage	5 Vdc

PARAMETER	VALUE
Output current	12 A
Coating	Conformal

SYSTEM CONNECTION AND ACCEPTANCE RECORD

RECORD ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	Safety Manager chassis
Companion hardware	24 Vdc cabinet feed
Field connection	Five-volt distribution path
Primary system function	Converts cabinet 24 Vdc into the five-volt system supply
Controlled acceptance duty	Safety Manager cabinet power

TECHNICAL NOTE

Isolate the 24 Vdc feed, confirm converter position and polarity, then measure the five-volt rail under controlled load before re-enabling dependent chassis modules.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Safety Manager cabinet power

Converts cabinet 24 Vdc into the five-volt system supply

Redundant supply maintenance

Feeds Safety Manager chassis electronics

Five-volt rail restoration

Supports multi-supply cabinet arrangements

Safety-system power conversion

Provides a coated converter assembly

PRODUCT PRECAUTIONS

1. Verify the complete 10300/1/1 marking and its assigned Safety Manager position before work.
2. Isolate the energy associated with Safety Manager chassis before disconnecting 10300/1/1.
3. Protect the 10300/1/1 connectors and electronic assembly using approved ESD controls.
4. Record the as-found 24 Vdc cabinet feed connections and configured assignment before replacement.
5. Confirm Five-volt distribution path matches the approved installation record for 10300/1/1.
6. Restore 10300/1/1 under controlled conditions and review its model-specific diagnostics.
7. Complete a documented functional test for safety manager cabinet power before release.

ENGINEER FAQ

Q1 How should engineers validate 10300/1/1 after configuration?

Restore the documented Safety Manager assignment, review diagnostics and run a controlled test of its role: converts cabinet 24 vdc into the five-volt system supply.

Q2 Can 10300/1/1 be moved to a different slot or duty without review?

No. Confirm keying, companion hardware and the approved configuration before assigning 10300/1/1 to another position or function.

Q3 Which technical value is especially important during 10300/1/1 commissioning?

Verify Coating is Conformal and use the named manufacturer procedure for the controlled functional test.

Q4 What should be checked if 10300/1/1 does not support redundant supply maintenance after installation?

Check seating, 24 Vdc cabinet feed, Five-volt distribution path, field energy and the model-specific diagnostics before replacing additional hardware.

Q5 What evidence should be retained after 10300/1/1 returns to service?

Retain the full model identity, as-left connections, configuration, diagnostic result and the final controlled test record for safety manager cabinet power.

Q6 How is 10300/1/1 identified before installation in a Safety Manager cabinet?

Match the full 10300/1/1 marking and part number 136-010875B to the assigned position and installed Safety Manager chassis.

Q7 Which companion hardware must be checked when replacing 10300/1/1?

Verify Safety Manager chassis, 24 Vdc cabinet feed and Five-volt distribution path against the approved cabinet and project record before fitting the Coated 24 Vdc to 5 Vdc Power Converter.

Q8 What wiring information should be recorded before removing 10300/1/1?

Record terminal identifiers, polarity or phase, shields, cable tags and the as-found channel or port assignment for 10300/1/1.

SOURCE Honeywell Safety Manager Hardware Reference and System HINTS | 24 Vdc to 5 Vdc / 12 A converter CC

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