

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Safety Manager
Part number	136-010875B
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Input voltage	24 Vdc
Output voltage	5 Vdc
Output current	12 A
Coating	Conformal

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED 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

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System Role and Architecture

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.

FUNCTION 1

Converts cabinet 24 Vdc into the five-volt system supply

FUNCTION 2

Feeds Safety Manager chassis electronics

FUNCTION 3

Supports multi-supply cabinet arrangements

FUNCTION 4

Provides a coated converter assembly

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
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

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Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	10300/1/1 / 136-010875B recorded
Physical interface	Safety Manager chassis
Companion check	24 Vdc cabinet feed
Functional proof	Converts cabinet 24 Vdc into the five-volt system supply
Application test	Safety Manager cabinet power

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Engineering 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.

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

MANUFACTURER SOURCE RECORD

Honeywell Safety Manager Hardware Reference and System HINTS

24 Vdc to 5 Vdc / 12 A converter CC

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